

#### Environmental authority EPPR01428213

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

**Permit<sup>1</sup> number: EPPR01428213**

**Environmental authority takes effect upon approval.**

The anniversary date of this environmental authority is the same day each year and remains as 8 August. An annual return and the payment of the annual fee will be due each year on this day.

#### Environmental authority holder

| Name                             | Principal address                  |
|----------------------------------|------------------------------------|
| Cassowary Coast Regional Council | 70 Rankin St<br>INNISFAIL QLD 4860 |

#### Environmentally relevant activity and location details

| Applicable Part | Environmentally Relevant Activity                          | Location  |
|-----------------|--|---|
| Part 1          | Common conditions applicable for all activities            | All locations with the exception of the following sites for the conditions specified in the relevant parts below:<br>Ike's Pit<br>Tully Sewage Pump Stations<br>Tully Sanitary Depot<br>Tully Cemetery Regulated Waste Disposal Depot<br>Tully Main Refuse Site<br>Innisfail Sewage Treatment Plant,<br>Innisfail Water Treatment Plant<br>Greens Gravel Pit<br>Jarra Creek Dredging,<br>Cardwell Intake Road Dredging<br>Cardwell Refuse Site<br>Stoters Hill Waste Transfer Station |
| Part 2          | Common conditions applicable for Waste disposal facilities | All locations of waste disposal activities with the exception of the following sites for the conditions specified in the relevant parts below:<br>Stoters Hill Landfill<br>Tully Sanitary Depot<br>Tully Cemetery Regulated Waste Disposal Site<br>Stoters Hill Waste Transfer Station  |

<sup>1</sup> Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

**Permit**  
**Environmental authority EPPR01428213**

|         |   |   |
|---------|---|---|
| Part 3  | ERA 60 (2d) Waste disposal facility (any combination of general waste and no more than 10% limited regulation waste) >10,000 – 20,000t/yr.  | <b>Tully Main Refuse Site</b><br>Lot 638 on Plan CP881690<br>Jarra Creek Road, Tully QLD 4854   |
| Part 4  | ERA 60 (2d) Waste disposal facility (any combination of general waste and no more than 10% limited regulation waste) >10,000 – 20,000t/yr.  | <b>Cardwell Refuse Site</b><br>Lot 63 on Plan CP855853<br>Attie Creek Road, Cardwell QLD 4849   |
| Part 5  | ERA 60 (1a) Waste Disposal facility (any combination of regulated waste, general waste and limited regulated waste – and <5t untreated clinical wastes if in a scheduled area) <50,000t/yr.   | <b>Tully Sanitary Depot</b><br>Lot 101 on Plan CWL3568<br>Cassowary Drive (Mission Beach Road)<br>Tully QLD 4854  |
| Part 6  | ERA 60 (1a) Waste Disposal facility (any combination of regulated waste, general waste and limited regulated waste – and <5t untreated clinical wastes if in a scheduled area) <50,000t/yr.   | <b>Tully Cemetery Regulated Waste Disposal Site</b><br>Lot 2 on Plan RP732366<br>Jarra Creek Road, Tully QLD 4854   |
| Part 7  | ERA 16 (1a) Dredging material 1,000-10,000t/yr  | <b>Ike's Pit</b><br>Adjacent to Tully Heads Road<br>(Adjacent to Lot 546 Plan CWL3476)<br>Lower Tully, QLD 4854   |
| Part 8  | ERA 63 (1d) Sewage treatment >4,000-10,000EP  | <b>Tully Sewage Treatment Plant</b><br>Lot 3 on Plan SP167295<br>Wildsoet Street, Tully QLD 4854  |
| Part 9  | ERA 16 (1a) Dredging material >1,000-10,000t/yr   | <b>Jarra Creek Dredging</b><br>Lot 2 on Plan RP743135<br>Harney's Road, Tully QLD 4854  |
| Part 10 | ERA 16 (1a) Dredging material >1,000-10,000t/yr   | <b>Cardwell Intake Road Dredging</b><br>Lot 34 on Plan CWL1953<br>Ellerbeck QLD 4816  |
| Part 11 | ERA 63 (1e) Sewage treatment >10,000-50,000EP   | <b>Innisfail Sewage Treatment Plant</b><br>Lot 303 on Plan NR5813 & Lot 47 Plan NR5813<br>Coquette Point Road, Innisfail QLD 4860   |
| Part 12 | ERA 16 (2a) Extractive >5,000t but <100,000t yr   | <b>Greens Gravel Pit</b><br>Lot 1 on Plan RP733135<br>Crupi Road, EL ARISH QLD 4855   |
| Part 13 | ERA 62 Waste transfer station operation receiving >30m <sup>3</sup> or >30t of waste on any day   | <b>Stoters Hill Waste Transfer Station</b><br>Lot 2 on Plan RP734667<br>Quarry Road, Innisfail, QLD 4860  |
| Part 14 | ERA 60 (1a) Waste Disposal facility (any combination of regulated waste, general waste and limited regulated waste – and <5t untreated clinical wastes if in a scheduled area) <50,000t/yr.<br>ERA 60 (2d) Waste disposal facility (any combination of general waste and no more than 10% limited regulated waste) >10,000-20,000t/yr | <b>Stoters Hill Landfill</b><br>Lot 2 Plan on RP734667<br>Lot 1 Plan on RP719182<br>Lots 1 and 2 on Plan NR4009<br>Lot 4 on Plan RP720775<br>Quarry Road, Innisfail, QLD 4860 |
| Part 15 | ERA 64 (3) Water treatment - Raw water treatment >10ML/day  | <b>Innisfail Water Treatment Plant</b><br>Lot 1 on Plan RP892074<br>Lot 2 on Plan NR2513<br>617 Palmerston Highway<br>Innisfail QLD 4860                                      |
| Part 16 | ERA 63 Sewage treatment - Operating a sewage pumping station (design capacity >40KL an hour), if not an essential part of the operation of a sewage treatment works   | <b>Tully Sewage Pump Stations</b><br>Lot 580 on Plan CWL2384<br>Andersen St, TULLY QLD 4854<br>Lot 581 on Plan CWL2385  |

|  |  |  |
|--|--|--|
|  |  | Butler St, TULLY QLD 4854<br>Lot 579 on Plan CWL 2383<br>King St, TULLY QLD 4854 |
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### 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.

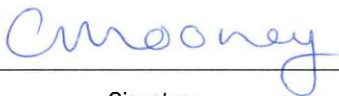
A person carrying out an ERA must also be a registered suitable operator under the *Environmental Protection Act 1994* (EP Act).

#### Contaminated land

It is a requirement of the EP Act that an owner or occupier of land give written notice to the chief executive if they become aware of the following:

- a notifiable activity (as defined in Schedule 3) that is being, or has been, carried out on the land (notice must be given within 20 business days)
- an event involving a hazardous contaminant on the land, or a change in the condition of the contaminated land, that is causing, or is reasonably likely to cause, serious or material environmental harm (notice must be given within 24 hours).

For further information, including the form for giving written notice, refer to the Queensland Government website <http://www.qld.gov.au/> (using the search term 'managing contaminated land').



Signature

Chris Mooney  
Department of Environment and Heritage Protection  
Delegate of the administering authority  
*Environmental Protection Act 1994*

15/11/16

Date

**Enquiries:**  
Department of Environment and Heritage Protection  
GPO Box 2454  
BRISBANE QLD 4001  
Phone: 1300 130 372  
Fax: 07 3330 6037  
[palm@ehp.qld.gov.au](mailto:palm@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

| Applicable Part | Environmentally Relevant Activity  |
|-----------------|--|
| Part 1          | <p>Common conditions applicable for all activities listed above with the following <i>exceptions</i>:</p> <p>P1-G1, P1-G2, P1-G5, P1-G7 and P1-W1 does not apply for Ike's Pit<br/> P1-G6, P1-G7, P1-A1 and P1-W2 does not apply for Tully Sewage Pump Stations<br/> P1-A1, P1-G7 and P1-N1 does not apply for Tully Sanitary Depot<br/> P1-N1 does not apply for Tully Main Refuse Site, Cardwell Refuse Site, Tully Cemetery Regulated Waste Disposal Site.<br/> P1-W1 does not apply for Innisfail Sewage Treatment Plant, Greens Gravel Pit<br/> P1-W2 and P1-G7 does not apply for Jarra Creek Dredging, Cardwell Intake Road Dredging<br/> P1-G7 does not apply for Stoters Hill Waste Transfer Station, Innisfail Water Treatment Plant</p> |

All ERAs with the exceptions mentioned above conducted at the locations described above must be conducted in accordance with the following conditions of this approval.

| General          |  |
|------------------|--|
| Condition Number | Condition  |
| P1-G1            | All information and records that are required by the conditions of this environmental authority must be kept for a minimum of five (5) years. Environmental monitoring results 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 <b>administering authority</b> upon request. |
| P1-G2            | An <b>appropriately qualified person(s)</b> 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.   |



|                         |  |
|-------------------------|--|
| P1-G3                   | <p>The <b>activity</b> must be undertaken in accordance with written procedures that:</p> <ol style="list-style-type: none"> <li>1. identify potential risks to the environment from the <b>activity</b> during routine operations, closure and an emergency</li> <li>2. establish and maintain control <b>measures</b> that minimise the potential for <b>environmental harm</b></li> <li>3. ensure plant, equipment and <b>measures</b> are maintained in a proper and effective condition</li> <li>4. ensure plant, equipment and <b>measures</b> are operated in a proper and effective manner</li> <li>5. ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i></li> <li>6. ensure that reviews of environmental performance are undertaken at least annually.</li> </ol>   |
| P1-G4                   | All reasonable and practicable <b>measures</b> must be taken to minimise the likelihood of environmental harm being caused.  |
| P1-G5                   | Other than as permitted by this environmental authority, the <b>release of a contaminant into the environment</b> must not occur.  |
| P1-G6                   | Any breach of a condition of this environmental authority must be reported to the <b>administering authority</b> as soon as practicable, or at most, within 24 hours of <b>you</b> becoming aware of the breach. Records must be kept including full details of the breach and any subsequent actions undertaken.  |
| P1-G7                   | <p>The holder of this environmental authority must submit a report to the administering authority with the annual return which shall include but not be limited to:</p> <ol style="list-style-type: none"> <li>a) a summary of the previous twelve (12) month's monitoring results obtained under any monitoring programs required under this environmental authority and, in graphical form, a comparison of the previous twelve (12) month's monitoring results to both the limits set by this environmental authority and to relevant prior results;</li> <li>b) an evaluation/explanation of the data from the monitoring programs; and</li> <li>c) a summary of any record of quantities of discharge required to be kept under this environmental authority; and</li> <li>d) a summary of the record of equipment failures or events likely to have adversely affected the site's environmental performance whilst still complying with this environmental authority; and</li> <li>e) an outline of actions taken or proposed to minimise the environmental risk from any deficiency identified by the monitoring or recording programs; and</li> <li>f) for any sewage treatment plants licensed under this environmental authority: <ol style="list-style-type: none"> <li>i) the number of domestic tenements newly connected to the sewage treatment works during the previous twelve (12) months; and</li> <li>ii) the progressive total number of connections; and</li> <li>iii) a summary of any trade waste agreements entered into or amended during the year, including the nature of the industry.</li> </ol> </li> </ol> |
| <b>Air</b>              |  |
| <b>Condition Number</b> | <b>Condition</b>   |
| P1-A1                   | Odours or airborne contaminants which are <b>noxious</b> or <b>offensive</b> or otherwise unreasonably disruptive to public amenity or safety must not cause nuisance to any <b>sensitive place</b> or <b>commercial place</b> .   |
| <b>Water</b>            |  |
| <b>Condition Number</b> | <b>Condition</b>   |
| P1-W1                   | Other than as permitted by this environmental authority, contaminants must not be released to waters.  |

|                         |  |
|-------------------------|--|
| P1-W2                   | All batteries, <b>liquid</b> chemicals, fuels, and other <b>liquid</b> substances with potential to cause environmental harm must be stored within a secondary containment system that is impervious to the materials stored within it, and must be managed to prevent the release of contaminants to <b>waters</b> or land. |
| <b>Noise</b>            |  |
| <b>Condition Number</b> | <b>Condition</b>   |
| P1-N1                   | Noise generated by the activity must not cause an environmental nuisance to any <b>sensitive place</b> or <b>commercial place</b> .  |

| Applicable Part | Environmentally Relevant Activity   |
|-----------------|---|
| Part 2          | <p>Common conditions applicable for Waste disposal facility with the following <i>exception</i>:</p> <p>P2-N1 does not apply for Stoters Hill Landfill</p> <p>P2-WM2 does not apply for Tully Sanitary Depot and Tully Cemetery Regulated Waste Disposal Site</p> <p>P2-WM3 does not apply for Tully Sanitary Depot, Tully Cemetery Regulated Waste Disposal Site and Stoters Hill Landfill</p> |

The ERAs with the exceptions mentioned above conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| Noise  |   |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
|--|---|--|--------|------------------------------------|-------------|------------------------------------|--------------|------------------------------------|--------------|--|--------|-------------------------------------|-------------|-------------------------------------|--------------|------------------------------------|--------------|
| Condition Number   | Condition   |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| P2-N1  | <p><b>Emission of Noise</b></p> <p>In the event of a complaint about noise that the administering authority considers is reasonable, then the emission of noise from the activity must not result in levels greater than those specified in Table 1, until the circumstances which gave rise to the complaint are resolved.</p> <p style="text-align: center;"><b>Table 1</b></p> <table border="1"> <tr> <th>Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level <math>L_{Amax adj, T}</math></th><th>Period</th></tr> <tr> <td>background noise level plus 5dB(A)</td><td>7 am - 6 pm</td></tr> <tr> <td>background noise level plus 5dB(A)</td><td>6 pm - 10 pm</td></tr> <tr> <td>background noise level plus 3dB(A)</td><td>10 pm - 7 am</td></tr> <tr> <th>Noise Limits at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level <math>L_{Amax adj, T}</math></th><th>Period</th></tr> <tr> <td>background noise level plus 10dB(A)</td><td>7 am - 6 pm</td></tr> <tr> <td>background noise level plus 10dB(A)</td><td>6 pm - 10 pm</td></tr> <tr> <td>background noise level plus 8dB(A)</td><td>10 pm - 7 am</td></tr> </table> | Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj, T}$ | Period | background noise level plus 5dB(A) | 7 am - 6 pm | background noise level plus 5dB(A) | 6 pm - 10 pm | background noise level plus 3dB(A) | 10 pm - 7 am | Noise Limits at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj, T}$ | Period | background noise level plus 10dB(A) | 7 am - 6 pm | background noise level plus 10dB(A) | 6 pm - 10 pm | background noise level plus 8dB(A) | 10 pm - 7 am |
| Noise Level at a Noise Sensitive Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj, T}$ | Period  |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| background noise level plus 5dB(A)   | 7 am - 6 pm   |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| background noise level plus 5dB(A)   | 6 pm - 10 pm  |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| background noise level plus 3dB(A)   | 10 pm - 7 am  |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| Noise Limits at a Commercial Place Measured as the Adjusted Maximum Sound Pressure Level $L_{Amax adj, T}$     | Period  |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| background noise level plus 10dB(A)  | 7 am - 6 pm   |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| background noise level plus 10dB(A)  | 6 pm - 10 pm  |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| background noise level plus 8dB(A)   | 10 pm - 7 am  |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| Waste Management   |   |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| Condition Number   | Condition   |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| P2-WM1   | Excepting combustion of landfill gas, waste must not be burnt.  |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |
| P2-WM2   | <p>A <b>leachate</b> collection system must be designed by an <b>appropriately qualified person</b> and installed and maintained to:</p> <ol style="list-style-type: none"> <li>collect <b>leachate</b> generated in the <b>landfill unit</b>;</li> <li>convey the collected <b>leachate</b> out of the <b>landfill unit</b> to an appropriate <b>leachate</b> storage facility; and</li> <li>restrict the height of the <b>leachate</b> above the liner system to a maximum level of 300mm with equivalent leachate minimisation performance as agreed with the <b>administering authority</b>.</li> </ol>   |  |        |                                    |             |                                    |              |                                    |              |  |        |                                     |             |                                     |              |                                    |              |

|        |   |
|--------|---|
| P2-WM3 | <p>Leachate and stormwater runoff which has been in contact with waste materials in the landfill unit, must be collected in the leachate storage facility and be:</p> <ol style="list-style-type: none"> <li>1. treated in the <b>leachate</b> treatment plant and discharged to sewer in accordance with the requirements of the relevant water utility; or</li> <li>2. recirculated through waste disposed in the <b>landfill unit</b>; or</li> <li>3. treated by alternative technologies agreed by the <b>administering authority</b> for offsite disposal, discharge, or on-site reuse; or</li> <li>4. disposed of at a facility that is approved to receive such waste.</li> </ol>  |
| P2-WM4 | <p>Deposited waste must be covered as soon as practicable to limit stormwater infiltration, prevent exposure of waste and prevent issues arising from vectors and pest species.</p>   |
| P2-WM5 | <p>All reasonable and practicable <b>measures</b> must be taken to contain litter within the <b>waste operations area</b>, and retrieve litter released.</p>  |
| P2-WM6 | <p>When the deposition of waste to the <b>landfill unit</b> ceases, a final capping system to the <b>landfill unit</b> must be designed by an <b>appropriately qualified person</b> and installed to minimise:</p> <ol style="list-style-type: none"> <li>1. infiltration of water into the <b>landfill unit</b> and water ponding on the surface; and</li> <li>2. the likelihood of any erosion occurring to either the final capping system or the landfilled materials.</li> </ol> <p>A final capping system is not required where the deposition of waste to a <b>landfill unit</b> ceases temporarily for the purpose of using an alternative working face.</p>  |
| P2-WM7 | <p>The program of post-closure care implemented must be effective in preventing and/or minimising the likelihood of environmental harm being caused. The program must include measures to:</p> <ol style="list-style-type: none"> <li>1. maintain the structural integrity and effectiveness of the final capping system;</li> <li>2. maintain and operate the <b>leachate</b> collection system;</li> <li>3. maintain the <b>groundwater monitoring system</b> and monitor quality of groundwater at a frequency sufficient to detect any release of contaminants to groundwater;</li> <li>4. maintain and operate the landfill gas monitoring system; and</li> <li>5. maintain and operate the landfill gas collection system.</li> </ol> |
| P2-WM8 | <p>Following cessation of deposition of waste in the <b>landfill unit</b>, post-closure care of the <b>landfill unit</b> must be conducted for a period of 30 years or until the <b>administering authority</b> determines, on the basis of correct information, that the <b>landfill unit</b> and surrounding site are stable and that no release of waste materials, <b>leachate</b>, landfill gas or other contaminants that may cause environmental harm is likely.</p>   |
| P2-WM9 | <p>A site management plan pursuant to Chapter 7, Part 8, Division 5 of the <i>Environmental Protection Act 1994</i> must be developed and provided to the <b>administering authority</b> at least 12 months before the expected final receipt of waste in the <b>landfill unit</b>. The site management plan must include, but is not to be limited to, the future land use and actions intended to taken for compliance with the closure and post-closure care requirements of this approval.</p>  |

| Applicable Part | Environmentally Relevant Activity  | Location  |
|-----------------|--|---|
| Part 3          | ERA 60 (2d) Waste disposal facility (any combination of general waste and no more than 10% limited regulation waste) >10,000 – 20,000t/yr. | <b>Tully Main Refuse Site</b><br>Lot 638 on Plan CP881690<br>Jarra Creek Road, Tully QLD 4854 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

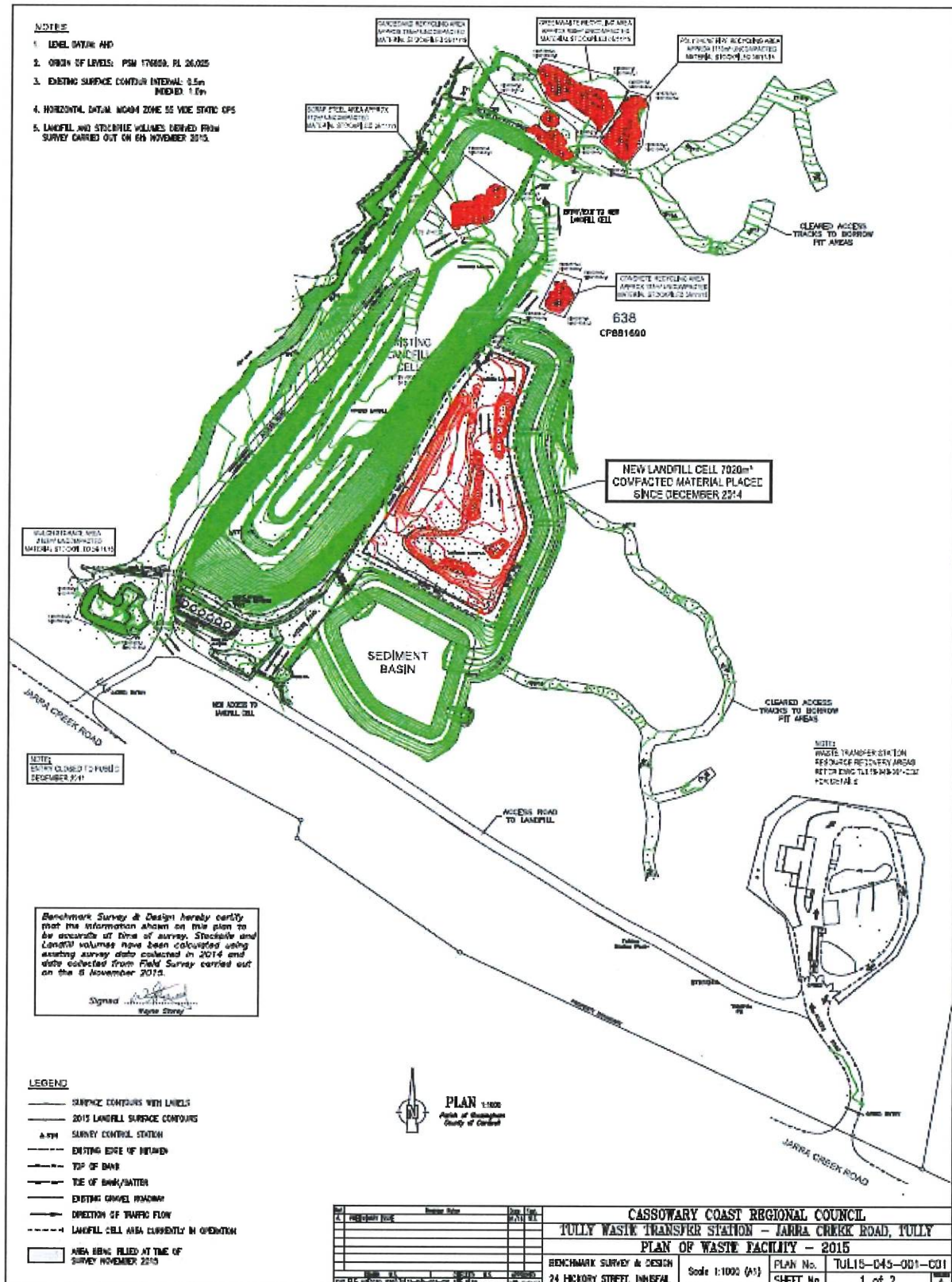
| General          |   |
|------------------|---|
| Condition Number | Condition   |
| P3-G1            | Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations:<br>a) do not extend beyond the boundary of the approved place.  |
| P3-G2            | Only the following waste streams can be received at the site:<br>a) construction wastes and demolition waste;<br>b) asbestos sheeting or asbestos products;<br>c) minor quantities of regulated wastes incidental to and commingled with domestic refuse;<br>d) solid inert waste;<br>e) tyres;<br>f) putrescible wastes and domestic garbage; and<br>g) green wastes.<br>Note:<br>1) paper covered plasterboard must only be received at the licensed place if it is generated by construction and demolition activities and delivered to the licensed place as a part of a mixed load of materials; and<br>2) drums containing any residual regulated wastes are themselves a regulated waste and must not be accepted for disposal at the site unless they have been steam cleaned, triple rinsed or thoroughly cleaned.<br>3) batteries, waste oil and tyres may be temporarily stored on the licensed place;<br>4) car bodies and recyclable solid inert wastes may be temporarily stored on the licensed place. |
| P3-G3            | In addition to condition number P3-G2, the following waste streams must not be permitted to be placed at the landfill facility at any time:<br>a) pyrophoric wastes (where co-disposed with other potentially combustible material);<br>b) untreated infectious wastes;<br>c) explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction;<br>d) liquescent waste streams or any waste capable of yielding free liquids; and<br>e) regulated wastes other than those permitted in condition number P3-G2.   |
| Waste Management |   |
| Condition Number | Condition   |
| P3-WM1           | Waste tyres may be stored in temporary above ground heaps on the licensed place provided that there are no more than 500 waste tyres at any time in any one heap.   |
| P3-WM2           | Where there is more than one heap of waste tyres, a separation distance between the heaps must be established and maintained so as to effectively prevent fire from spreading:<br>a) from one tyre storage heap to another; and<br>b) to other waste stored or disposed of at the licensed place.   |



|                                 |  |
|---------------------------------|--|
| P3-WM3                          | <p><b>Disposal of Asbestos Wastes</b></p> <p>All asbestos wastes disposed of at the waste disposal facility must be contained in an area designated for this purpose on the site development plan, and is not less two (2) metres from the surface and not less than two (2) metres in from any above ground perimeter embankment.</p>   |
| <b>Monitoring and Reporting</b> |  |
| <b>Condition Number</b>         | <b>Condition</b>   |
| P3-MR1                          | <p><b>Groundwater Monitoring</b></p> <p>The release of contaminants to groundwater as a result of the <b>activity</b> must:</p> <ol style="list-style-type: none"> <li>1. be monitored from the uppermost aquifer at locations hydraulically up-gradient and down-gradient of the landfilled waste; and</li> <li>2. not cause environmental harm; and</li> <li>3. monitor groundwater</li> <li>4. monitor, at least, the following indicator quality groundwater characteristics: <ol style="list-style-type: none"> <li>a) pH;</li> <li>b) electrical conductivity;</li> <li>c) dissolved oxygen;</li> <li>d) total dissolved solids;</li> <li>e) ammonia (as nitrogen);</li> <li>f) manganese;</li> <li>g) sulphate;</li> <li>h) nitrate (as N);</li> <li>i) Chemical Oxygen Demand (COD);</li> <li>j) chloride;</li> <li>k) nitrate (as nitrogen);</li> <li>l) total iron;</li> <li>m) bicarbonate (HCO<sub>3</sub>)</li> <li>n) lead; and</li> <li>o) zinc.</li> </ol> </li> </ol> |
| P3-MR2                          | <p>The holder of this environmental authority must monitor groundwater quality with samples collected from all monitoring bores on the licensed place not less frequently than at least one occasion in each of the months of December, March, July and October each year.</p>   |
| P3-MR3                          | <p>Where the leachate head above the base of any future waste disposal cell (as calculated from measurements taken at any sump well located within a disposal cell) is higher than 300mm then the head of leachate at that sump well must be measured at least once every twenty-four (24) hours until the head of leachate drops below 300mm.</p>   |
| P3-MR4                          | <p>Where the head of leachate above the base of any future waste disposal cell (calculated from measurements taken at any leachate pump well located within a disposal cell) is 300mm or lower the leachate head at that sump well must be measured on at least a weekly basis.</p>  |

|        |  |
|--------|--|
| P3-MR5 | <p data-bbox="323 315 683 344"><b>Leachate Quality Monitoring</b></p> <p data-bbox="323 344 1465 409">The holder of this environmental authority must record and monitor the quality of any leachate collected at the base of the waste disposal facility in accordance with the following requirements:</p> <ol data-bbox="371 409 1469 1048" style="list-style-type: none"><li data-bbox="371 409 1469 506">1) A sample of leachate must be taken from a sump well installed into any of the active future waste disposal cells as part of the leachate collection system on at least one occasion in the month of November each year; and</li><li data-bbox="371 506 1469 1048">2) the sample obtained in accordance with paragraph (a) of this condition must be analysed for the following parameters:<ol data-bbox="419 573 879 1048" style="list-style-type: none"><li data-bbox="419 573 507 602">a) pH;</li><li data-bbox="419 602 724 631">b) electrical conductivity;</li><li data-bbox="419 631 676 660">c) dissolved oxygen;</li><li data-bbox="419 660 719 689">d) total dissolved solids;</li><li data-bbox="419 689 740 719">e) ammonia (as nitrogen);</li><li data-bbox="419 719 560 748">f) sodium;</li><li data-bbox="419 748 576 777">g) sulphate;</li><li data-bbox="419 777 628 806">h) nitrate (as N);</li><li data-bbox="419 806 879 835">i) Chemical Oxygen Demand (COD);</li><li data-bbox="419 835 564 864">j) chloride;</li><li data-bbox="419 864 703 893">k) nitrate (as nitrogen);</li><li data-bbox="419 893 576 922">l) total iron;</li><li data-bbox="419 922 699 952">m) bicarbonate (<math>\text{HCO}_3</math>)</li><li data-bbox="419 952 576 981">n) lead; and</li><li data-bbox="419 981 517 1048">o) zinc.</li></ol></li></ol> |
|--------|--|

# Site Plan – Tully Main Refuse Site



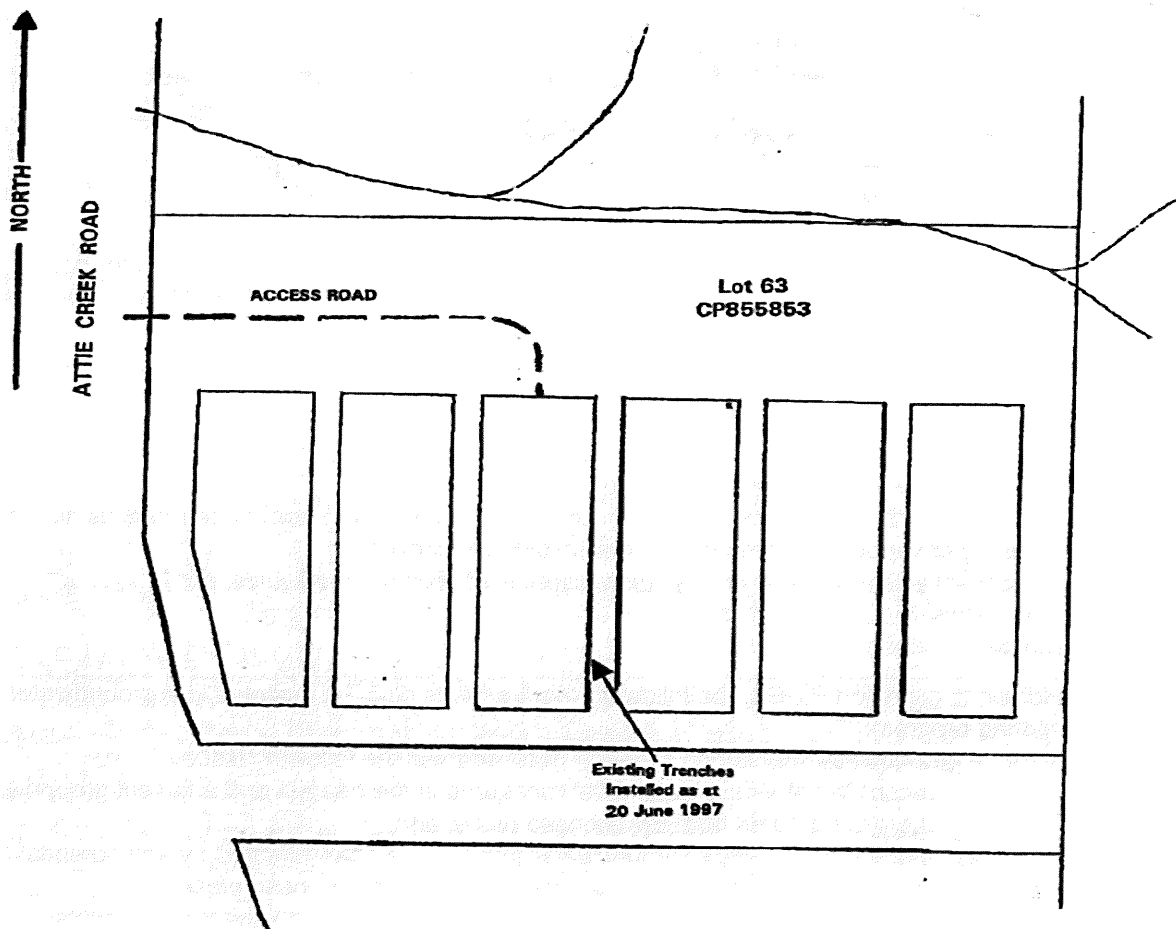
| Applicable Part | Environmentally Relevant Activity  | Location  |
|-----------------|--|---|
| Part 4          | ERA 60 (2d) Waste disposal facility (any combination of general waste and no more than 10% limited regulation waste) >10,000 – 20,000t/yr. | <b>Cardwell Refuse Site</b><br>Lot 63 on Plan CP855853<br>Attie Creek Road, Cardwell QLD 4849 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| General          |   |
|------------------|---|
| Condition Number | Condition   |
| P4-G1            | The holder of this environmental authority must ensure that waste disposal activities do not extend:<br>a) beyond the boundary of the licensed place; and<br>b) into the fifty (50) meter buffer zone between any disposal cell and Attie Creek.  |
| P4-G2            | Only the following waste streams can be received at the site:<br>a) construction wastes;<br>b) demolition waste;<br>c) solid inert waste; and<br>d) paper covered plasterboard, green wastes and metals, provided that such wastes are generated by construction and demolition activities and delivered to the licensed place as part of a mixed load of materials.  |
| P4-G3            | In addition to condition number P4-G2, the following waste streams must not be permitted to be placed at the landfill facility at any time:<br>a) pyrophoric wastes (where co-disposed with other potentially combustible material); or<br>b) asbestos sheeting or other asbestos products; or<br>c) explosives and ammunition, pyrotechnics or propellants, apart from trace residues no longer capable of supporting combustion or an explosive reaction; or<br>d) liquescent waste streams or any waste capable of yielding free liquids; or<br>e) car bodies; or<br>f) domestic refuse.   |
| P4-G4            | In addition to condition P1-G3, the following requirements must be included in a groundwater monitoring program:<br>i) a groundwater monitoring program must address the following issues:<br>1) record the standing water level measured in the nearest and adjacent groundwater monitoring bores from the licensed place; and<br>2) monitor the quality of groundwater that has not been effected by any potential leakage of contaminants to groundwater from the licensed place; and<br>3) monitor the quality of groundwater in the nearest and adjacent groundwater monitoring bores hydraulically down gradient from the licensed place; and<br>4) groundwater monitoring must be undertaken for, at least, the following indicator characteristics:<br>a) pH;<br>b) electrical conductivity;<br>c) dissolved oxygen;<br>d) total dissolved solid;<br>e) sulphate;<br>f) total iron;<br>g) zinc;<br>h) lead; |

- |  |   |
|--|---|
|  | <p>i) chromium; and</p> <p>5) groundwater quality samples must be collected from groundwater monitoring bores on the licensed place on at least one occasion in the month of December 1997.</p> |
|--|---|

Site Plan – Cardwell Refuse Site



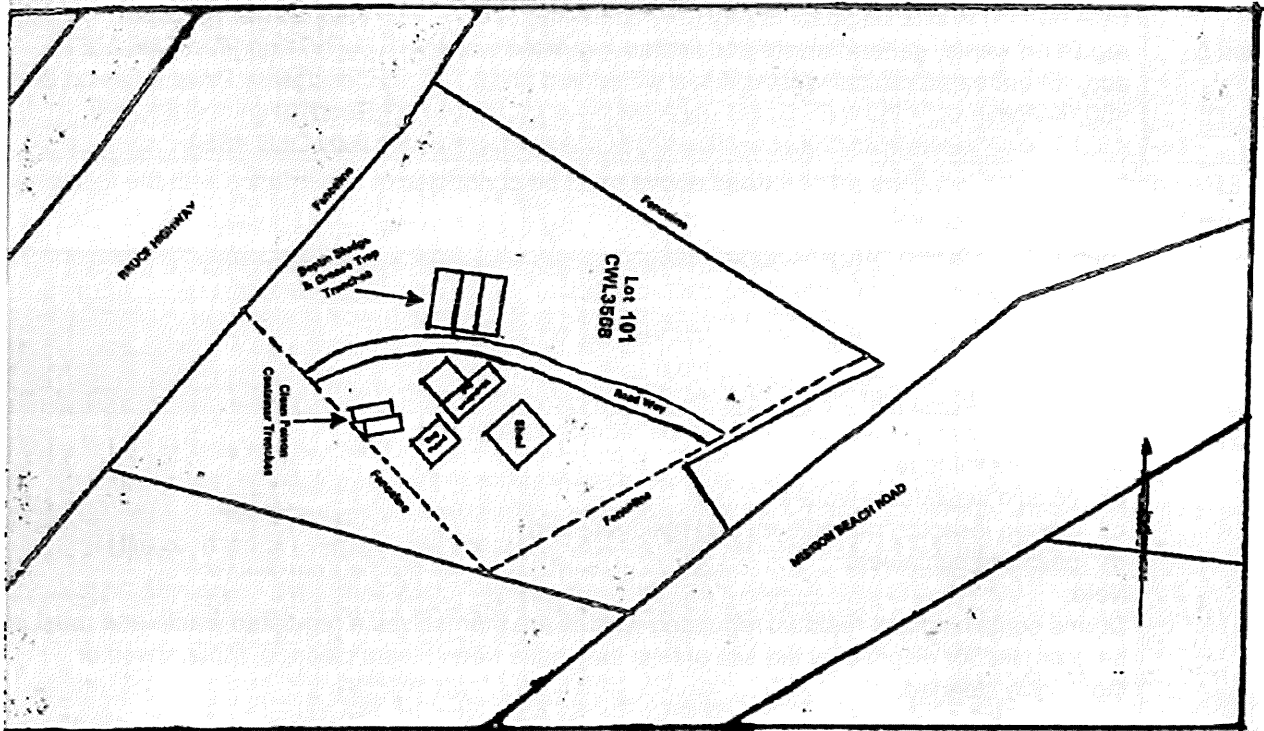


| Applicable Part | Environmentally Relevant Activity   | Location   |
|-----------------|---|--|
| Part 5          | ERA 60 (1a) Waste Disposal facility (any combination of regulated waste, general waste and limited regulated waste – and <5t untreated clinical wastes if in a scheduled area) <50,000t/yr. | <b>Tully Sanitary Depot</b><br>Lot 101 on Plan CWL3568<br>Cassowary Drive (Mission Beach Road)<br>Tully QLD 4854 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| General          |   |
|------------------|---|
| Condition Number | Condition   |
| P5-G1            | <p>Only the following waste streams can be received at the site:</p> <ul style="list-style-type: none"> <li>a) bacterial sludges;</li> <li>b) vehicle washdown waters;</li> <li>c) grease inceptor trap effluent and residues; and</li> <li>d) pesticide containers</li> </ul> <p>Note:<br/>Drums containing any residual regulated wastes are themselves a regulated waste and must not be accepted for disposal at the site unless they have been steam cleaned, triple rinsed or thoroughly cleaned.</p> |
| Waste Management |   |
| Condition Number | Condition   |
| P5-WM1           | The holder of this environmental authority must commence closure activities for the licensed place in accordance with the completed post closure care and maintained plan no later than 30 June 2005.   |

Site Plan – Tully Sanitary Depot



| Applicable Part | Environmentally Relevant Activity   | Location  |
|-----------------|---|---|
| Part 6          | ERA 60 (1a) Waste Disposal facility (any combination of regulated waste, general waste and limited regulated waste – and <5t untreated clinical wastes if in a scheduled area) <50,000t/yr. | <b>Tully Cemetery Regulated Waste Disposal Site</b><br>Lot 2 on Plan RP732366<br>Jarra Creek Road, Tully QLD 4854 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| General          |   |
|------------------|---|
| Condition Number | Condition   |
| P6-G1            | Only the following waste streams can be received at the site:<br>b) boiler ash from the Tully Sugar Mill. |

| Applicable Part | Environmentally Relevant Activity               | Location  |
|-----------------|---|---|
| Part 7          | ERA 16 (1a) Dredging material: 1,000-10,000t/yr | <b>Ike's Pit</b><br>Adjacent to Tully Heads Road<br>(Adjacent to Lot 546 Plan CWL3476)<br>Lower Tully, QLD 4854 |

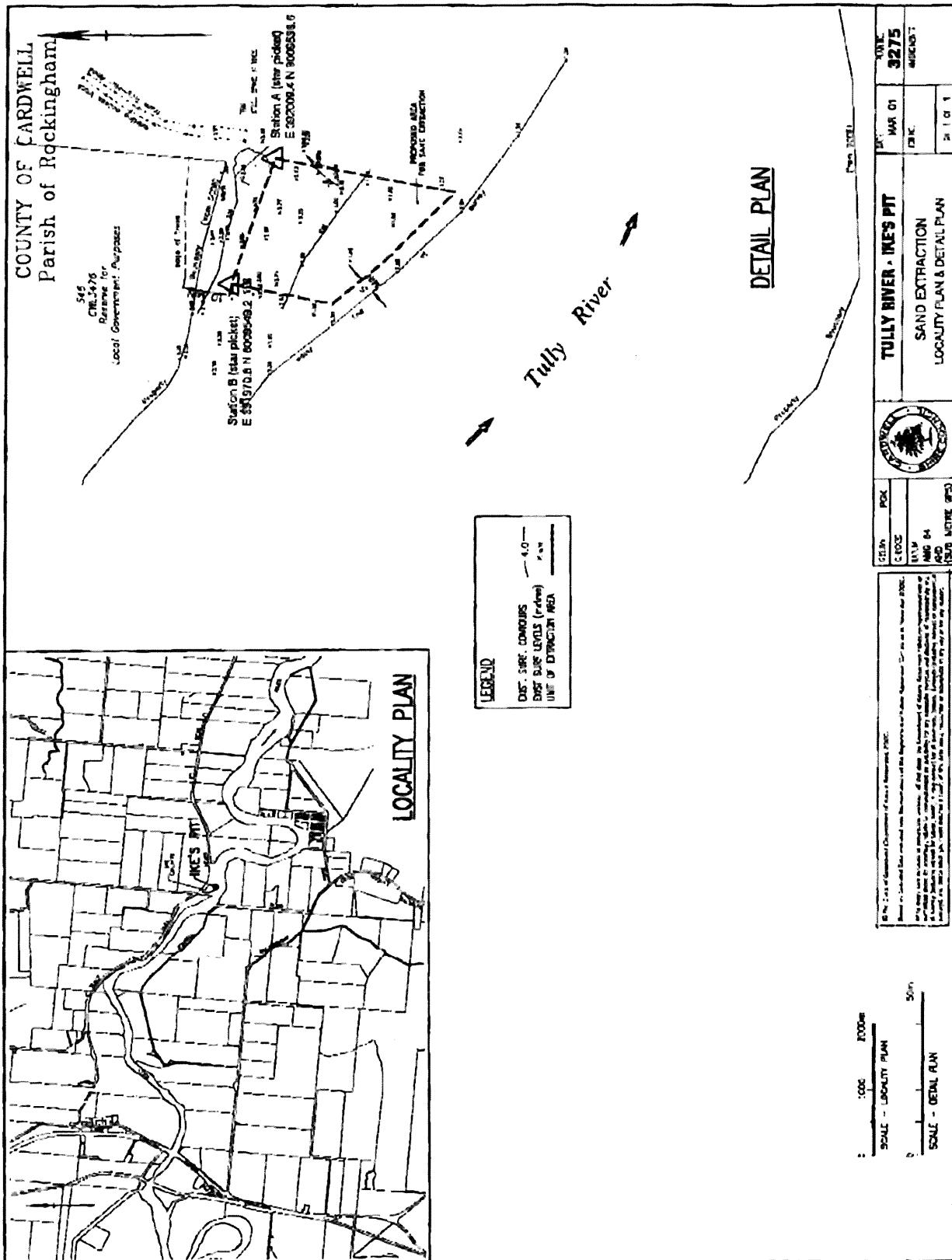
The ERAs conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| General          |  |
|------------------|--|
| Condition Number | Condition  |
| P7-G1            | The dredging activity and any disturbance to flora and fauna (both aquatic and terrestrial), rock bars or riffle areas that create natural pools or sand, gravel and clay in the bed of the waters must only be carried out in the licensed area marked in Site Plan - Extraction Area Ike's Pit.  |
| Air              |  |
| Condition Number | Condition  |
| P7-A1            | <p>Dust is not considered to be a nuisance under condition number P2-A1 if monitoring shows that dust and / or particulate matter does NOT exceed the following limits at the boundary of any affected dust sensitive place:</p> <ul style="list-style-type: none"> <li>a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10 of 1991; and</li> <li>b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a twenty-four (24) hour averaging time, at a dust sensitive place downwind of the licensed place, when monitored in accordance with: <ul style="list-style-type: none"> <li>1) Australian Standard AS 3580.9.6 <i>Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet - Gravimetric method</i>; or</li> <li>2) any alternative method of monitoring PM10 which may be permitted by the <i>Air Quality Sampling Manual</i> as published from time to time by the administering authority.</li> </ul> </li> </ul> |
| Water            |  |
| Condition Number | Condition  |
| P7-W1            | Dredging operations must not be carried out in the surface waters of the Tully River.  |
| P7-W2            | Dredging operations must not be carried out closer than 5 metres of the water's edge.  |

| Noise                          |   |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
|--------------------------------|---|-----------|------------|-----------------------------|-----------|------------|-------------------------------|---|--|--|--|--|--|--------------------|--|--|-----------------------------|--|--|-----------|-----------|------------|-----------|-----------|------------|--------------------------------|---------|---------|---------|---------|---------|---------|-------------------------------|----------|----------|---------|----------|----------|---------|-------------------------------|--|--|--|--|--|--|--------------------|--|--|-----------------------------|--|--|-----------|-----------|------------|-----------|-----------|------------|--------------------------------|----------|----------|---------|----------|----------|---------|-------------------------------|----------|----------|----------|----------|----------|----------|
| Condition Number               | Condition   |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| P7-N1                          | <p>Noise is NOT considered to be a nuisance under condition number P7-N1 if monitoring shows that noise does NOT exceed the following levels in the time periods specified in Table 3 and Table 4.</p> <p style="text-align: center;"><b>Table 3 -Noise Limits (Noise Sensitive Place)</b></p> <table> <tr> <th rowspan="3">Noise Level DB(A) measured as</th><th colspan="6">Noise measured at a "Noise Sensitive Place"</th></tr> <tr> <th colspan="3">Monday to Saturday</th><th colspan="3">Sundays and Public Holidays</th></tr> <tr> <th>7am - 6pm</th><th>6pm -10pm</th><th>10pm - 7am</th><th>9am - 6pm</th><th>6pm -10pm</th><th>10pm - 9am</th></tr> <tr> <td>L<sub>A</sub> 10, adj, 10mins</td><td>b/g + 5</td><td>b/g + 5</td><td>b/g + 0</td><td>b/g + 5</td><td>b/g + 5</td><td>b/g + 0</td></tr> <tr> <td>L<sub>A</sub> 1, adj, 10mins</td><td>b/g + 10</td><td>b/g + 10</td><td>b/g + 5</td><td>b/g + 10</td><td>b/g + 10</td><td>b/g + 5</td></tr> </table> <p style="text-align: center;"><b>Table 4 - Noise Limits (Commercial Place)</b></p> <table> <tr> <th rowspan="3">Noise Level DB(A) measured as</th><th colspan="6">Noise measured at a "Commercial Place"</th></tr> <tr> <th colspan="3">Monday to Saturday</th><th colspan="3">Sundays and Public Holidays</th></tr> <tr> <th>7am - 6pm</th><th>6pm -10pm</th><th>10pm - 7am</th><th>9am - 6pm</th><th>6pm -10pm</th><th>10pm - 9am</th></tr> <tr> <td>L<sub>A</sub> 10, adj, 10mins</td><td>b/g + 10</td><td>b/g + 10</td><td>b/g + 5</td><td>b/g + 10</td><td>b/g + 10</td><td>b/g + 5</td></tr> <tr> <td>L<sub>A</sub> 1, adj, 10mins</td><td>b/g + 15</td><td>b/g + 15</td><td>b/g + 10</td><td>b/g + 15</td><td>b/g + 15</td><td>b/g + 10</td></tr> </table> |           |            |                             |           |            | Noise Level DB(A) measured as | Noise measured at a "Noise Sensitive Place" |  |  |  |  |  | Monday to Saturday |  |  | Sundays and Public Holidays |  |  | 7am - 6pm | 6pm -10pm | 10pm - 7am | 9am - 6pm | 6pm -10pm | 10pm - 9am | L <sub>A</sub> 10, adj, 10mins | b/g + 5 | b/g + 5 | b/g + 0 | b/g + 5 | b/g + 5 | b/g + 0 | L <sub>A</sub> 1, adj, 10mins | b/g + 10 | b/g + 10 | b/g + 5 | b/g + 10 | b/g + 10 | b/g + 5 | Noise Level DB(A) measured as | Noise measured at a "Commercial Place" |  |  |  |  |  | Monday to Saturday |  |  | Sundays and Public Holidays |  |  | 7am - 6pm | 6pm -10pm | 10pm - 7am | 9am - 6pm | 6pm -10pm | 10pm - 9am | L <sub>A</sub> 10, adj, 10mins | b/g + 10 | b/g + 10 | b/g + 5 | b/g + 10 | b/g + 10 | b/g + 5 | L <sub>A</sub> 1, adj, 10mins | b/g + 15 | b/g + 15 | b/g + 10 | b/g + 15 | b/g + 15 | b/g + 10 |
| Noise Level DB(A) measured as  | Noise measured at a "Noise Sensitive Place"   |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
|                                | Monday to Saturday  |           |            | Sundays and Public Holidays |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
|                                | 7am - 6pm   | 6pm -10pm | 10pm - 7am | 9am - 6pm                   | 6pm -10pm | 10pm - 9am |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| L <sub>A</sub> 10, adj, 10mins | b/g + 5   | b/g + 5   | b/g + 0    | b/g + 5                     | b/g + 5   | b/g + 0    |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| L <sub>A</sub> 1, adj, 10mins  | b/g + 10  | b/g + 10  | b/g + 5    | b/g + 10                    | b/g + 10  | b/g + 5    |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| Noise Level DB(A) measured as  | Noise measured at a "Commercial Place"  |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
|                                | Monday to Saturday  |           |            | Sundays and Public Holidays |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
|                                | 7am - 6pm   | 6pm -10pm | 10pm - 7am | 9am - 6pm                   | 6pm -10pm | 10pm - 9am |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| L <sub>A</sub> 10, adj, 10mins | b/g + 10  | b/g + 10  | b/g + 5    | b/g + 10                    | b/g + 10  | b/g + 5    |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| L <sub>A</sub> 1, adj, 10mins  | b/g + 15  | b/g + 15  | b/g + 10   | b/g + 15                    | b/g + 15  | b/g + 10   |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| Land                           |   |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| Condition Number               | Condition   |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| P7-L1                          | Dredging operations must not occur within ten (10) metres of the high water bank of the Tully River.  |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |
| P7-L2                          | All disturbed areas must be progressively re-profiled and stabilized to ensure that erosion is minimized at the cessation of activities.  |           |            |                             |           |            |                               |   |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |         |         |         |         |         |         |                               |          |          |         |          |          |         |                               |  |  |  |  |  |  |                    |  |  |                             |  |  |           |           |            |           |           |            |                                |          |          |         |          |          |         |                               |          |          |          |          |          |          |



Site Plan – Extraction Area Ike's Pit



| Applicable Part | Environmentally Relevant Activity            | Location   |
|-----------------|--|--|
| Part 8          | ERA 63 (1d) Sewage treatment >4,000-10,000EP | <b>Tully Sewage Treatment Plant</b><br>Lot 3 on Plan SP167295<br>Wildsoet Street, Tully QLD 4854 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| Part 6: Tully Sewage Treatment Plant |  |
|--------------------------------------|--|
| General                              |  |
| Condition Number                     | Condition  |
| P8-G1                                | <p><b>Approved Reticulation Works</b></p> <p>Only the rising main, reticulation system and pump stations shown in the following plans prepared by Cardno MBK and submitted to the Administering Authority on 18 March 2003 are approved under this approval:</p> <p>Job Number Q02 4028, Drawing number C01</p> <p>Job Number Q02 4027, Drawings number SM-1000, W-1000 and NM-1000.</p> |

## Water

| Condition Number | Condition |
|------------------|-----------|
|------------------|-----------|

|       |   |
|-------|---|
| P8-W1 | The only contaminants to be released from monitoring point W1 are effluent from the sewage treatment plant in accordance with the Table 5 - Release Limits and associated requirements. |
|-------|---|

### Table 5 - Release Limits

| Monitoring point   | Quality characteristics                                   | Release limit |                 |                    |                 |         | Monitoring frequency |
|--|---|---------------|-----------------|--------------------|-----------------|---------|----------------------|
|  |   | minimum       | 50th percentile | median             | 80th percentile | maximum |                      |
| Effluent discharge pipeline immediately before discharge from release point W1 or transfer to an irrigation area | 5-day Biochemical Oxygen Demand (BOD) <sub>5</sub> (mg/L) | -             | 5               | -                  | 10              | 20      | weekly               |
|  | Suspended Solids (SS) in mg/L                             | -             | 5               | -                  | 15              | 30      | weekly               |
|  | pH  | 6             | -               | -                  | -               | 8       | daily                |
|  | Dissolved Oxygen (DO) (mg/L)                              | 2             | -               | -                  | -               | -       | daily                |
|  | Total Nitrogen (TN) (mg/L)                                | -             | 5               | -                  | -               | 10      | fortnightly          |
|  | Total Oxidized Nitrogen (TON) (mg/L)                      | -             | -               | -                  | -               | -       | fortnightly          |
|  | Ammonia Nitrogen (N-NH3) (mg/L)                           | -             | 1               | -                  | -               | 2       | fortnightly          |
|  | Total Phosphorus as P (mg/L)                              | -             | 1               | -                  | -               | 2       | fortnightly          |
|  | Faecal Coliforms (Organisms/100 mL)                       | -             | -               | 150 <sup>(1)</sup> | -               | 600     | fortnightly          |

### Associated requirements

1. "Median" for this quality characteristic must be based on the results of at least five (5) samples, with individual samples being collected at intervals of not less than thirty (30) minutes.
2. Monitoring must be in accordance with the **administering authority's** Water Quality Sampling Manual and any additional relevant guidelines and all monitoring devices must be effectively calibrated and maintained.
3. All determinations of the quality of contaminants released must be carried out on samples that are representative of the discharge.

| P8-W2  | <p>Receiving waters must be monitored at the locations specified, for the parameters defined in Table 6 at a frequency of at least monthly when discharging to Banyan Creek, except when the Banyan Creek flow rate is less than 2.5 cumecs, when the sampling frequency must be at least fortnightly if still discharging to Banyan Creek.</p> <p style="text-align: center;"><b>Table 6 - Receiving Water Monitoring</b></p> <table><tr><th>Monitoring Point</th><th>Parameters</th></tr><tr><td>Impact site – Banyan Creek – at a well mixed location no more than 100m downstream of discharge point W1</td><td>Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)</td></tr><tr><td>Reference Site – Banyan Creek – the Butler Street Bridge, Tully</td><td>Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)</td></tr><tr><td>Banyan Creek upstream of sewage treatment plant</td><td>Banyan Creek flow rate (Q<sub>B</sub>)</td></tr></table>   | Monitoring Point  | Parameters        | Impact site – Banyan Creek – at a well mixed location no more than 100m downstream of discharge point W1 | Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N) | Reference Site – Banyan Creek – the Butler Street Bridge, Tully | Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N) | Banyan Creek upstream of sewage treatment plant   | Banyan Creek flow rate (Q <sub>B</sub> ) |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
|--|--|---|-------------------|--|--|---|--|---|--|----|------|------------------|-------------------|----|------|-----------------|-------------------|-------|------|-----------------|-------------------|
| Monitoring Point   | Parameters   |   |                   |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| Impact site – Banyan Creek – at a well mixed location no more than 100m downstream of discharge point W1 | Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)   |   |                   |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| Reference Site – Banyan Creek – the Butler Street Bridge, Tully  | Dissolved Oxygen (DO), Total Nitrogen (TN), Total Phosphorus (TP) and Ammonia Nitrogen (NH3-N)   |   |                   |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| Banyan Creek upstream of sewage treatment plant  | Banyan Creek flow rate (Q <sub>B</sub> )   |   |                   |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| P8-W3  | <p>If any of the trigger levels stated in Table 7 are exceeded, you must:</p> <p>a) complete an investigation in accordance with the ANZECC (2000) methodology, into the potential for environmental harm;</p> <p>b) provide a written report to the administering authority within three (3) months of the date of the original exceedance, outlining:</p> <p style="margin-left: 40px;">i) details of the investigations carried out; and</p> <p style="margin-left: 40px;">ii) actions taken to prevent environmental harm.</p> <p style="text-align: center;"><b>Table 7 - Receiving Water Trigger Limits</b></p> <table><tr><th>Parameter</th><th>Units</th><th>Limit for freshwater – lowland river</th><th>Limit type</th></tr><tr><td>DO</td><td>% saturation</td><td>Greater than 20<sup>th</sup> percentile<sup>1</sup> of reference sites<sup>2</sup> or 85%<sup>3</sup> saturation, whichever is lower, AND<br/>Less than 80<sup>th</sup> percentile<sup>1</sup> of reference sites<sup>2</sup> or 120%<sup>3</sup> saturation, whichever is higher.</td><td>Mean<sup>4</sup></td></tr><tr><td>TN</td><td>µg/L</td><td>380<sup>1</sup></td><td>Mean<sup>4</sup></td></tr><tr><td>TP</td><td>µg/L</td><td>20<sup>1</sup></td><td>Mean<sup>4</sup></td></tr><tr><td>N-NH3</td><td>µg/L</td><td>11<sup>1</sup></td><td>Mean<sup>4</sup></td></tr></table> <p><sup>1</sup> Trigger levels based on the 50<sup>th</sup> percentile and derived using ANZECC (2000) methodology and are based on the reference site defined in Table 6.</p> <p><sup>2</sup> Reference site as defined in Table 6.</p> <p><sup>3</sup> ANZECC (2000) trigger levels for aquatic ecosystems of slightly – moderately disturbed systems – Table 3.3.4/3.3.5 – tropical Australian lowland rivers.</p> <p><sup>4</sup> The mean must be determined based on no more than five (5) consecutive samples.</p> | Parameter   | Units             | Limit for freshwater – lowland river   | Limit type   | DO  | % saturation   | Greater than 20 <sup>th</sup> percentile <sup>1</sup> of reference sites <sup>2</sup> or 85% <sup>3</sup> saturation, whichever is lower, AND<br>Less than 80 <sup>th</sup> percentile <sup>1</sup> of reference sites <sup>2</sup> or 120% <sup>3</sup> saturation, whichever is higher. | Mean <sup>4</sup>                        | TN | µg/L | 380 <sup>1</sup> | Mean <sup>4</sup> | TP | µg/L | 20 <sup>1</sup> | Mean <sup>4</sup> | N-NH3 | µg/L | 11 <sup>1</sup> | Mean <sup>4</sup> |
| Parameter  | Units  | Limit for freshwater – lowland river  | Limit type        |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| DO   | % saturation   | Greater than 20 <sup>th</sup> percentile <sup>1</sup> of reference sites <sup>2</sup> or 85% <sup>3</sup> saturation, whichever is lower, AND<br>Less than 80 <sup>th</sup> percentile <sup>1</sup> of reference sites <sup>2</sup> or 120% <sup>3</sup> saturation, whichever is higher. | Mean <sup>4</sup> |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| TN   | µg/L   | 380 <sup>1</sup>  | Mean <sup>4</sup> |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| TP   | µg/L   | 20 <sup>1</sup>   | Mean <sup>4</sup> |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| N-NH3  | µg/L   | 11 <sup>1</sup>   | Mean <sup>4</sup> |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |
| P8-W4  | <p><b>Release to waters</b></p> <p>Only the contaminants specified below may be released to waters and only then from the discharge location specified and in compliance with the release limits listed in Table 5:</p> <p>Discharge Location W1- release of treated sewage effluent from Tully sewage treatment plant to Banyan Creek at a location adjacent to Lot 3 on Plan SP167295, at Wildsoet Street, Tully, Queensland.</p>  |   |                   |  |  |   |  |   |  |    |      |                  |                   |    |      |                 |                   |       |      |                 |                   |

|                  |   |               |                                    |                  |                             |
|------------------|---|---------------|------------------------------------|------------------|-----------------------------|
| P8-W5            | The daily quantity of contaminants released to waters via release point W1, must not exceed the quantities stated in Table 8 for the respective flow rates in Banyan Creek. |               |                                    |                  |                             |
|                  | <b>Table 8</b>  |               |                                    |                  |                             |
|                  | QB# Flow rate in Banyan Creek (cumecs)  | Less than 0.5 | Greater than 0.5 and less than 2.5 | Greater than 2.5 | Wet weather day             |
|                  | Contaminant release on any dry weather day (megalitres)   | Nil*          | 1.25 X (QB – 0.5)*                 | 2.5 (=ADWF)      | 12.5 megalitres (=5 X ADWF) |
|                  | #The flow rate in Banyan Creek (QB) should be measured on a daily basis to set the permitted discharge volumes for that day.<br>* With effect from 1 January 2008.          |               |                                    |                  |                             |
| P8-W6            | <b>Discharge location details</b><br>The discharge location W1 must be submerged at all times.  |               |                                    |                  |                             |
| P8-W7            | All contaminants from discharge location W1 must be released through a suitable diffuser to achieve a minimum initial dilution of at least 10 to 1.                         |               |                                    |                  |                             |
| Land             |   |               |                                    |                  |                             |
| Condition Number | Condition   |               |                                    |                  |                             |
| P8-L2            | Treated sewage effluent may be removed from the site and used for an alternative purpose, with the written consent of any third party involved.                             |               |                                    |                  |                             |



| Applicable Part | Environmentally Relevant Activity               | Location   |
|-----------------|---|--|
| Part 9          | ERA 16 (1a) Dredging material >1,000-10,000t/yr | <b>Jarra Creek Dredging</b><br>Lot 2 on Plan RP743135<br>Harney's Road, Tully QLD 4854 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| General          |   |
|------------------|---|
| Condition Number | Condition   |
| P9-G1            | This permit authorizes the extraction of sand or other material from the banks of the Tully River at the location known as Harney's Pit adjacent to Lot 2 Plan RP 743135 at the following production capacities: Yearly rate of extraction: <b>3,500t per year</b> .  |
| Air              |   |
| Condition Number | Condition   |
| P9-A1            | When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: <ul style="list-style-type: none"> <li>a) for a complaint alleging dust nuisance, dust deposition; and</li> <li>b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24 hour averaging time.</li> </ul>   |
| P9-A2            | Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive or commercial place: <ul style="list-style-type: none"> <li>a) dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 of 2003 (or more recent editions); OR</li> <li>b) a concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a nuisance sensitive or commercial place downwind of the site, when monitored in accordance with: <ul style="list-style-type: none"> <li>1) Australian Standard AS 3580.9.6 of 2003 (or more recent editions) 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet -Gravimetric method'; or</li> <li>2) any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.</li> </ul> </li> </ul> |

| Noise                                       |   |               |               |                             |               |               |
|---|---|---------------|---------------|-----------------------------|---------------|---------------|
| Condition Number                            | Condition   |               |               |                             |               |               |
| P9-N1                                       | All noise from activities must not exceed the levels specified in Table 9- Noise Limits, at any nuisance sensitive or commercial place. |               |               |                             |               |               |
| Table 9 – Noise Limits                      |   |               |               |                             |               |               |
| Noise level dB(A)<br>measured as            | Monday to Sunday  |               |               | Sundays and public holidays |               |               |
|   | 7am –<br>6pm  | 6pm –<br>10pm | 10pm –<br>7am | 9am –<br>6pm                | 6pm –<br>10pm | 10pm –<br>9am |
| Noise measured at a 'noise sensitive place' |   |               |               |                             |               |               |
| L <sub>A</sub> 10, adj, 10 mins             | 50  | 45            | 35            | 50                          | 45            | 35            |
| L <sub>A</sub> 1, adj, 10 mins              | 55  | 50            | 40            | 55                          | 50            | 40            |
| Noise measured at a 'commercial place'      |   |               |               |                             |               |               |
| L <sub>A</sub> 10, adj, 10 mins             | 55  | 50            | 40            | 55                          | 50            | 40            |
| L <sub>A</sub> 1, adj, 10 mins              | 60  | 55            | 45            | 60                          | 55            | 45            |

| Applicable Part | Environmentally Relevant Activity               | Location   |
|-----------------|---|--|
| Part 10         | ERA 16 (1a) Dredging material >1,000-10,000t/yr | <b>Cardwell Intake Road Dredging</b><br>Lot 34 on Plan CWL1953<br>Ellerbeck QLD 4816 |

The ERAs conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| General          |   |
|------------------|---|
| Condition Number | Condition   |
| P10-G1           | This permit authorises the extraction of sand or other material from the banks of Meunga Creek adjacent to Lot 34 on Plan CWL1953 at the following production capacities: Yearly rate of extraction: <b>250t per year.</b>  |
| Air              |   |
| Condition Number | Condition   |
| P10-A1           | When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: <ul style="list-style-type: none"> <li>a) for a complaint alleging dust nuisance, dust deposition; and</li> <li>b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24 hour averaging time.</li> </ul>   |
| P10-A2           | Dust and particulate matter must not exceed the following levels when measured at any nuisance sensitive or commercial place: <ul style="list-style-type: none"> <li>a) Dust deposition of 120 milligrams per square metre per day, when monitored in accordance with Australian Standard AS 3580.10.1 of 2003 (or more recent editions); OR</li> <li>b) A concentration of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere of 150 micrograms per cubic metre over a 24 hour averaging time, at a nuisance sensitive or commercial place downwind of the site, when monitored in accordance with: <ul style="list-style-type: none"> <li>1) Australian Standard AS 3580.9.6 of 2003 (or more recent editions) 'Ambient air - Particulate matter - Determination of suspended particulate PM10 high-volume sampler with size-selective inlet -Gravimetric method'; or</li> <li>2) any alternative method of monitoring PM10 which may be permitted by the 'Air Quality Sampling Manual' as published from time to time by the administering authority.</li> </ul> </li> </ul> |

| Noise                               |  |            |            |                             |            |            |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
|-------------------------------------|--|------------|------------|-----------------------------|------------|------------|-------------------------------------|--------------------|--|--|-----------------------------|--|--|-----------|------------|------------|-----------|------------|------------|---|--|--|--|--|--|---------------------------------|----|----|----|----|----|----|--------------------------------|----|----|----|----|----|----|--|--|--|--|--|--|--|---------------------------------|----|----|----|----|----|----|--------------------------------|----|----|----|----|----|----|
| Condition Number                    | Condition  |            |            |                             |            |            |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
| P10-N1                              | <p>All noise from activities must not exceed the levels specified in Table 10 - Noise Limits, at any nuisance sensitive or commercial place.</p> <p style="text-align: center;"><b>Table 10 - Noise limits</b></p> <table> <tr> <th rowspan="3">Noise level<br/>dB(A)<br/>measured as</th><th colspan="3">Monday to Saturday</th><th colspan="3">Sundays and public holidays</th></tr> <tr> <th>7am - 6pm</th><th>6pm - 10pm</th><th>10pm - 7am</th><th>9am - 6pm</th><th>6pm - 10pm</th><th>10pm - 9am</th></tr> <tr> <th colspan="6">Noise measured at a 'Noise sensitive place'</th></tr> <tr> <td>L<sub>A10</sub>, adj, 10 mins</td><td>50</td><td>45</td><td>35</td><td>50</td><td>45</td><td>35</td></tr> <tr> <td>L<sub>A1</sub>, adj, 10 mins</td><td>55</td><td>50</td><td>40</td><td>55</td><td>50</td><td>40</td></tr> <tr> <th></th><th colspan="6">Noise measured at a 'Commercial place'</th></tr> <tr> <td>L<sub>A10</sub>, adj, 10 mins</td><td>55</td><td>50</td><td>40</td><td>55</td><td>50</td><td>40</td></tr> <tr> <td>L<sub>A1</sub>, adj, 10 mins</td><td>60</td><td>55</td><td>45</td><td>60</td><td>55</td><td>45</td></tr> </table> |            |            |                             |            |            | Noise level<br>dB(A)<br>measured as | Monday to Saturday |  |  | Sundays and public holidays |  |  | 7am - 6pm | 6pm - 10pm | 10pm - 7am | 9am - 6pm | 6pm - 10pm | 10pm - 9am | Noise measured at a 'Noise sensitive place' |  |  |  |  |  | L <sub>A10</sub> , adj, 10 mins | 50 | 45 | 35 | 50 | 45 | 35 | L <sub>A1</sub> , adj, 10 mins | 55 | 50 | 40 | 55 | 50 | 40 |  | Noise measured at a 'Commercial place' |  |  |  |  |  | L <sub>A10</sub> , adj, 10 mins | 55 | 50 | 40 | 55 | 50 | 40 | L <sub>A1</sub> , adj, 10 mins | 60 | 55 | 45 | 60 | 55 | 45 |
| Noise level<br>dB(A)<br>measured as | Monday to Saturday   |            |            | Sundays and public holidays |            |            |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
|                                     | 7am - 6pm  | 6pm - 10pm | 10pm - 7am | 9am - 6pm                   | 6pm - 10pm | 10pm - 9am |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
|                                     | Noise measured at a 'Noise sensitive place'  |            |            |                             |            |            |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
| L <sub>A10</sub> , adj, 10 mins     | 50   | 45         | 35         | 50                          | 45         | 35         |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
| L <sub>A1</sub> , adj, 10 mins      | 55   | 50         | 40         | 55                          | 50         | 40         |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
|                                     | Noise measured at a 'Commercial place'   |            |            |                             |            |            |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
| L <sub>A10</sub> , adj, 10 mins     | 55   | 50         | 40         | 55                          | 50         | 40         |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |
| L <sub>A1</sub> , adj, 10 mins      | 60   | 55         | 45         | 60                          | 55         | 45         |                                     |                    |  |  |                             |  |  |           |            |            |           |            |            |   |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |  |  |  |  |  |  |  |                                 |    |    |    |    |    |    |                                |    |    |    |    |    |    |

| Applicable Part | Environmentally Relevant Activity             | Location  |
|-----------------|---|---|
| Part 11         | ERA 63 (1e) Sewage treatment >10,000-50,000EP | <b>Innisfail Sewage Treatment Plant</b><br>Lot 303 on Plan NR5813 & Lot 47 Plan NR5813<br>Coquette Point Road, Innisfail QLD 4860 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| Air              |   |
|------------------|---|
| Condition Number | Condition   |
| P11-A1           | When requested by the administering authority, dust and particulate monitoring must be undertaken to investigate any complaint of environmental nuisance caused by dust and/or particulate matter, and the results notified within 14 days to the administering authority following completion of monitoring. Monitoring must be carried out at a place(s) relevant to the potentially affected dust sensitive place and at upwind control sites and must include: <ul style="list-style-type: none"> <li>a) for a complaint alleging dust nuisance, dust deposition; and</li> <li>b) for a complaint alleging adverse health effects caused by dust, the concentration per cubic metre of particulate matter with an aerodynamic diameter of less than 10 micrometre (µm) (PM10) suspended in the atmosphere over a 24 hour averaging time.</li> </ul> |
| Land             |   |
| Condition Number | Condition   |
| P11-L1           | No development (including operational works), clearing of native vegetation, excavation or filling of land is to be undertaken within the erosion prone area, (but excluding minor works for the installation of new connection pipe to the existing effluent outfall). The landward boundary of the erosion prone area is defined by: <ul style="list-style-type: none"> <li>a) the plan position of Highest Astronomical Tide; or</li> <li>b) a line measured 40 metres landward of the plan position of mean high water springs, whichever provides the greatest width.</li> </ul>   |

| Water                                |  |  |                                       |         |                               |                      |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
|--------------------------------------|--|--|---------------------------------------|---------|-------------------------------|----------------------|------------------------|--|--|---------------------------------------|----------|------------------|----------------------|-------------|---|----|---|----|-------------------------------|--------|-------------------------|---|----|----|----|-------------------------------|--------|----------------|---|---|---|---|-------------------------------|--------|-----------------------|---|---|---|----|-------------------------------|--------|-------------------------|---|---|---|---|-------------------------------|--------|-------------------------|---|---|---|---|-------------------------------|--------|---------------|-----|---|---|-----|-------------------------------|--------|--------------------------------------|---|---|-----|--------|-------------------------------|-------------|----------------|---|---|---|----|-------------------------------|-------------|
| Condition Number                     | Condition  |  |                                       |         |                               |                      |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| P11-W1                               | <p>The only contaminant permitted to be released to surface waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, is treated sewage effluent in compliance with the release limits listed in Table 11 - Contaminant release limits to water and monitoring requirements.</p> <p>- <b>Table 11 - Contaminant release limits to water and monitoring requirements.</b></p> <table><tr><th>Quality Characteristic</th><th>Minimum</th><th>Short Term 50<sup>th</sup> percentile</th><th>Long Term 50<sup>th</sup> percentile</th><th>Maximum</th><th>Monitoring Point</th><th>Monitoring frequency</th></tr><tr><td>BOD5 (mg/L)</td><td>-</td><td>10</td><td>5</td><td>30</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>Suspended Solids (mg/L)</td><td>-</td><td>15</td><td>10</td><td>45</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>Ammonia (mg/L)</td><td>-</td><td>2</td><td>1</td><td>6</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>Total Nitrogen (mg/L)</td><td>-</td><td>-</td><td>5</td><td>10</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>Total Phosphorus (mg/L)</td><td>-</td><td>-</td><td>1</td><td>2</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>Dissolved Oxygen (mg/L)</td><td>2</td><td>-</td><td>-</td><td>-</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>pH (pH Units)</td><td>6.5</td><td>-</td><td>-</td><td>8.5</td><td>Outlet of the UV contact tank</td><td>Weekly</td></tr><tr><td>Thermotolerant coliforms (CFU/100mL)</td><td>-</td><td>-</td><td>150</td><td>10,000</td><td>Outlet of the UV contact tank</td><td>Fortnightly</td></tr><tr><td>Oil and Grease</td><td>-</td><td>-</td><td>-</td><td>10</td><td>Outlet of the UV contact tank</td><td>Fortnightly</td></tr></table> <p><b>Associated Requirements</b></p> <p>All determinations of the quality of contaminants released must be made in accordance with methods prescribed in the latest edition of the Department of Environment and Resource Management Water Quality Sampling Manual.</p> |  |                                       |         |                               |                      | Quality Characteristic | Minimum                                | Short Term 50 <sup>th</sup> percentile | Long Term 50 <sup>th</sup> percentile | Maximum  | Monitoring Point | Monitoring frequency | BOD5 (mg/L) | - | 10 | 5 | 30 | Outlet of the UV contact tank | Weekly | Suspended Solids (mg/L) | - | 15 | 10 | 45 | Outlet of the UV contact tank | Weekly | Ammonia (mg/L) | - | 2 | 1 | 6 | Outlet of the UV contact tank | Weekly | Total Nitrogen (mg/L) | - | - | 5 | 10 | Outlet of the UV contact tank | Weekly | Total Phosphorus (mg/L) | - | - | 1 | 2 | Outlet of the UV contact tank | Weekly | Dissolved Oxygen (mg/L) | 2 | - | - | - | Outlet of the UV contact tank | Weekly | pH (pH Units) | 6.5 | - | - | 8.5 | Outlet of the UV contact tank | Weekly | Thermotolerant coliforms (CFU/100mL) | - | - | 150 | 10,000 | Outlet of the UV contact tank | Fortnightly | Oil and Grease | - | - | - | 10 | Outlet of the UV contact tank | Fortnightly |
| Quality Characteristic               | Minimum  | Short Term 50 <sup>th</sup> percentile | Long Term 50 <sup>th</sup> percentile | Maximum | Monitoring Point              | Monitoring frequency |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| BOD5 (mg/L)                          | -  | 10                                     | 5                                     | 30      | Outlet of the UV contact tank | Weekly               |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Suspended Solids (mg/L)              | -  | 15                                     | 10                                    | 45      | Outlet of the UV contact tank | Weekly               |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Ammonia (mg/L)                       | -  | 2                                      | 1                                     | 6       | Outlet of the UV contact tank | Weekly               |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Total Nitrogen (mg/L)                | -  | -                                      | 5                                     | 10      | Outlet of the UV contact tank | Weekly               |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Total Phosphorus (mg/L)              | -  | -                                      | 1                                     | 2       | Outlet of the UV contact tank | Weekly               |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Dissolved Oxygen (mg/L)              | 2  | -                                      | -                                     | -       | Outlet of the UV contact tank | Weekly               |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| pH (pH Units)                        | 6.5  | -                                      | -                                     | 8.5     | Outlet of the UV contact tank | Weekly               |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Thermotolerant coliforms (CFU/100mL) | -  | -                                      | 150                                   | 10,000  | Outlet of the UV contact tank | Fortnightly          |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Oil and Grease                       | -  | -                                      | -                                     | 10      | Outlet of the UV contact tank | Fortnightly          |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| P11-W2                               | <p>Monitoring must be undertaken on samples collected from the outlet of the UV contact tank and records kept of contaminant releases to waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, for the quality characteristics and not less frequently than specified in Table 11.</p>  |  |                                       |         |                               |                      |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| P11-W3                               | <p>The total quantity of contaminants released to waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, via the release points listed in Table 12 - Maximum permitted quantity of release, must not exceed the respective quantities stated in Table 12 - Maximum permitted quantity of release for each release point in on any dry weather day or on any one day.</p> <p><b>Table 12 - Maximum permitted quantity of release</b></p> <table><tr><th>Release Point</th><th>Maximum release on any dry weather day</th><th>Maximum release on any one day</th></tr><tr><td>Ninds Creek Outfall (W1)</td><td>8 ML/day</td><td>40 ML/day</td></tr></table>  |  |                                       |         |                               |                      | Release Point          | Maximum release on any dry weather day | Maximum release on any one day         | Ninds Creek Outfall (W1)              | 8 ML/day | 40 ML/day        |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Release Point                        | Maximum release on any dry weather day   | Maximum release on any one day         |                                       |         |                               |                      |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| Ninds Creek Outfall (W1)             | 8 ML/day   | 40 ML/day                              |                                       |         |                               |                      |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |
| P11-W4                               | <p>The daily volume of contaminants released to waters, excluding bypass releases covered by conditions P11-W12 and P11-W13, must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.</p>  |  |                                       |         |                               |                      |                        |  |  |                                       |          |                  |                      |             |   |    |   |    |                               |        |                         |   |    |    |    |                               |        |                |   |   |   |   |                               |        |                       |   |   |   |    |                               |        |                         |   |   |   |   |                               |        |                         |   |   |   |   |                               |        |               |     |   |   |     |                               |        |                                      |   |   |     |        |                               |             |                |   |   |   |    |                               |             |

| P11-W5             | <p>Calculate and keep records of annual mass loads of total nitrogen and total phosphorus released to waters at W1, excluding bypass releases covered by conditions P11-W12 and P11-W13.</p> <p style="text-align: center;"><b>Table 13 - Release mass load limits</b></p> <table><tr><th>Period</th><th>Contaminant</th><th>Limit Type</th><th>Release Limit</th></tr><tr><td rowspan="2">Each Calendar Year</td><td>Total Nitrogen as N</td><td>Annual Load</td><td>To be calculated using Formula 1 (kg/calendar year)</td></tr><tr><td>Total Phosphorus as P</td><td>Annual Load</td><td>To be calculated using Formula 2 (kg/calendar year)</td></tr></table> <p>Calculation of release mass load limits<br/>Formula 1: Annual Mass Load Limit TN = <math>ADF^1 \times 365 \times 5\text{mg/L}</math><br/>Formula 2: Annual Mass Load Limit TP = <math>ADF^1 \times 365 \times 1 \text{ mg/L}</math><br/>Notes:<br/><sup>1</sup> Average Daily Flow (ADF) = the average daily wastewater flow (ML) measured over the preceding 12 months.</p>   | Period      | Contaminant   | Limit Type | Release Limit | Each Calendar Year | Total Nitrogen as N | Annual Load | To be calculated using Formula 1 (kg/calendar year) | Total Phosphorus as P | Annual Load | To be calculated using Formula 2 (kg/calendar year) |
|--------------------|--|-------------|---|------------|---------------|--------------------|---------------------|-------------|---|-----------------------|-------------|---|
| Period             | Contaminant  | Limit Type  | Release Limit                                       |            |               |                    |                     |             |   |                       |             |   |
| Each Calendar Year | Total Nitrogen as N  | Annual Load | To be calculated using Formula 1 (kg/calendar year) |            |               |                    |                     |             |   |                       |             |   |
|                    | Total Phosphorus as P  | Annual Load | To be calculated using Formula 2 (kg/calendar year) |            |               |                    |                     |             |   |                       |             |   |
| P11-W6             | <p>Calculate and keep records of daily, median monthly and annual mass loads of total nitrogen and total phosphorus released to waters at W1, excluding bypass releases covered by conditions P11-W12 and P11-W13. Mass loads must be calculated by the following formula:<br/>Daily Mass Load = Measured value<sup>1</sup> of contaminant (mg/L) x Daily Flow for release point W1<br/>Monthly Mass Load = the sum of all the daily mass loads for that month<br/>Annual Load = the sum of the daily mass loads released for that calendar year.</p> <p>Notes:<br/><sup>1</sup> The measured value being the value measured that day or on the most recent sampling occasion if not measured that day.</p>  |             |   |            |               |                    |                     |             |   |                       |             |   |
| P11-W7             | <p><b>A receiving environment monitoring program (REMP) must be designed and implemented by appropriately qualified persons to monitor the effects of the activity on waters.</b></p>  |             |   |            |               |                    |                     |             |   |                       |             |   |
| P11-W8             | <p>The REMP must include at least the following:</p> <ol style="list-style-type: none"><li>1) Description of potentially affected receiving waters including key communities and background water quality characteristics based on accurate and reliable monitoring data that takes into consideration any temporal variation (e.g. seasonality); and</li><li>2) Description of applicable environmental values and water quality objectives to be achieved (i.e. as scheduled pursuant to the current Environmental Protection (Water) Policy); and</li><li>3) Any relevant reports prepared by other governmental or professional research organisations that relate to the receiving environment within which the REMP is proposed; and</li><li>4) Water quality targets within the receiving environment to be achieved, and clarification of contaminant concentrations or levels indicating adverse environmental impacts during the REMP;</li><li>5) Monitoring for any potential adverse impacts caused by the release;</li><li>6) Monitoring of stream flow and hydrology;</li><li>7) Monitoring of toxicants should consider indicators relevant to the release to assess the extent of the compliance of concentrations with water quality objectives and/or the ANZECC &amp; ARMCANZ 2000 guidelines for slightly to moderately disturbed ecosystems;</li><li>8) Monitoring of the following parameters:<ol style="list-style-type: none"><li>a) pH;</li><li>b) Dissolved Oxygen;</li><li>c) Conductivity;</li><li>d) Temperature;</li><li>e) Suspended Solids;</li><li>f) Ammonia;</li><li>g) Total Nitrogen;</li></ol></li></ol> |             |   |            |               |                    |                     |             |   |                       |             |   |

|                | <p>h) Total Oxidised Nitrogen;<br/>i) Total and Reactive Phosphorus; and<br/>j) Chlorophyll a;<br/>9) Specify sampling and analysis methods and quality assurance and control;<br/>10) Any historical datasets to be relied upon;<br/>11) Description of the statistical basis on which conclusions are drawn; and<br/>12) Any spatial and temporal controls to exclude confounding factors.</p>  |                                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
|----------------|---|------------------------------------|----------|--------------|---|--------------|-----------------|---|--------------|-----------------------|---|-------------|-----------------------|---|-----------------|-----------------------|---|--------------|--------------------------|---|----------------|-----------------|---|------------------|-----------------------|---|---------------|------------------------------------|---|----------------------|-----------------|----|---------------|--------------------------|----|---------------|------------------------------------|----|---------------|-----------------------|----|------------|-----------------------|----|---------------|--------------------------|----|-----------------|--------------------------|----|------------------|------------------------------------|----|----------------|-----------------------|----|---------------|--------------------------|----|---------------------|--------------------------|----|--------------|------------------------------------|
| P11-W9         | The frequency of monitoring under the REMP must be at least four occasions between the months of May to November with a period of no less than 30 days between sample events.   |                                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| P11-W10        | <p>On a five (5) yearly basis, after commissioning of the STP, provide a summary report to the administering authority, covering:</p> <ul style="list-style-type: none"><li>a) the preceding (5) years of data collected in the Receiving Environment Monitoring Program, including interpretation of what results indicate regarding the environmental condition of the receiving environment; and</li><li>b) any advances in technology for sewage treatment, including details of potential application to the STP, likely improvement in effluent quality and the cost effectiveness of implementing the technology.</li></ul>  |                                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| P11-W11        | <p>The only points in the sewer system permitted to overflow and release contaminants to any waters are the pump stations and overflows listed below at the corresponding overflow and discharge locations:</p> <p style="text-align: center;"><b>Table 14</b></p> <table><tr><th>Overflow Point</th><th>Location</th><th>Discharge to</th></tr><tr><td>1</td><td>Wrights Park</td><td>Johnstone River</td></tr><tr><td>2</td><td>Marty Street</td><td>South Johnstone River</td></tr><tr><td>3</td><td>Lily Street</td><td>South Johnstone River</td></tr><tr><td>4</td><td>Karboota Street</td><td>drain to Bamboo Creek</td></tr><tr><td>5</td><td>Penda Street</td><td>drain to Johnstone River</td></tr><tr><td>6</td><td>Corinda Street</td><td>Johnstone River</td></tr><tr><td>7</td><td>Coronation Drive</td><td>South Johnstone River</td></tr><tr><td>8</td><td>Monica Street</td><td>overflows into adjoining catchment</td></tr><tr><td>9</td><td>Fitzgerald Esplanade</td><td>Johnstone River</td></tr><tr><td>11</td><td>Ernest Street</td><td>drain to Johnstone River</td></tr><tr><td>15</td><td>Donald Street</td><td>overflows into adjoining catchment</td></tr><tr><td>16</td><td>Haddrell Park</td><td>South Johnstone River</td></tr><tr><td>17</td><td>May Street</td><td>drain to Bamboo Creek</td></tr><tr><td>18</td><td>Callow Street</td><td>drain to Johnstone River</td></tr><tr><td>20</td><td>Mahogany Street</td><td>drain to Johnstone River</td></tr><tr><td>21</td><td>Blackwood Street</td><td>overflows into adjoining catchment</td></tr><tr><td>24</td><td>Badilla Street</td><td>drain to Bamboo Creek</td></tr><tr><td>25</td><td>Bergin Street</td><td>drain to Johnstone River</td></tr><tr><td>26</td><td>Dalrymple Esplanade</td><td>drain to Johnstone River</td></tr><tr><td>27</td><td>Vidar Street</td><td>overflows into adjoining catchment</td></tr></table> | Overflow Point                     | Location | Discharge to | 1 | Wrights Park | Johnstone River | 2 | Marty Street | South Johnstone River | 3 | Lily Street | South Johnstone River | 4 | Karboota Street | drain to Bamboo Creek | 5 | Penda Street | drain to Johnstone River | 6 | Corinda Street | Johnstone River | 7 | Coronation Drive | South Johnstone River | 8 | Monica Street | overflows into adjoining catchment | 9 | Fitzgerald Esplanade | Johnstone River | 11 | Ernest Street | drain to Johnstone River | 15 | Donald Street | overflows into adjoining catchment | 16 | Haddrell Park | South Johnstone River | 17 | May Street | drain to Bamboo Creek | 18 | Callow Street | drain to Johnstone River | 20 | Mahogany Street | drain to Johnstone River | 21 | Blackwood Street | overflows into adjoining catchment | 24 | Badilla Street | drain to Bamboo Creek | 25 | Bergin Street | drain to Johnstone River | 26 | Dalrymple Esplanade | drain to Johnstone River | 27 | Vidar Street | overflows into adjoining catchment |
| Overflow Point | Location  | Discharge to                       |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 1              | Wrights Park  | Johnstone River                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 2              | Marty Street  | South Johnstone River              |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 3              | Lily Street   | South Johnstone River              |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 4              | Karboota Street   | drain to Bamboo Creek              |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 5              | Penda Street  | drain to Johnstone River           |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 6              | Corinda Street  | Johnstone River                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 7              | Coronation Drive  | South Johnstone River              |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 8              | Monica Street   | overflows into adjoining catchment |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 9              | Fitzgerald Esplanade  | Johnstone River                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 11             | Ernest Street   | drain to Johnstone River           |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 15             | Donald Street   | overflows into adjoining catchment |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 16             | Haddrell Park   | South Johnstone River              |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 17             | May Street  | drain to Bamboo Creek              |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 18             | Callow Street   | drain to Johnstone River           |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 20             | Mahogany Street   | drain to Johnstone River           |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 21             | Blackwood Street  | overflows into adjoining catchment |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 24             | Badilla Street  | drain to Bamboo Creek              |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 25             | Bergin Street   | drain to Johnstone River           |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 26             | Dalrymple Esplanade   | drain to Johnstone River           |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| 27             | Vidar Street  | overflows into adjoining catchment |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| P11-W12        | Bypass releases must be screened prior to being released into Ninds Creek via the release point W1 listed in Table 12 - Maximum permitted quantity of release.  |                                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |
| P11-W13        | <p>Activities conducted under this environmental authority must not be conducted contrary to any of the following limitations:</p> <ul style="list-style-type: none"><li>a) Bypass releases must only occur as a result of a wet weather event and for flows that are in excess of the designated hydraulic capacity of the sewage treatment plant being 14.2ML per day.</li></ul>  |                                    |          |              |   |              |                 |   |              |                       |   |             |                       |   |                 |                       |   |              |                          |   |                |                 |   |                  |                       |   |               |                                    |   |                      |                 |    |               |                          |    |               |                                    |    |               |                       |    |            |                       |    |               |                          |    |                 |                          |    |                  |                                    |    |                |                       |    |               |                          |    |                     |                          |    |              |                                    |

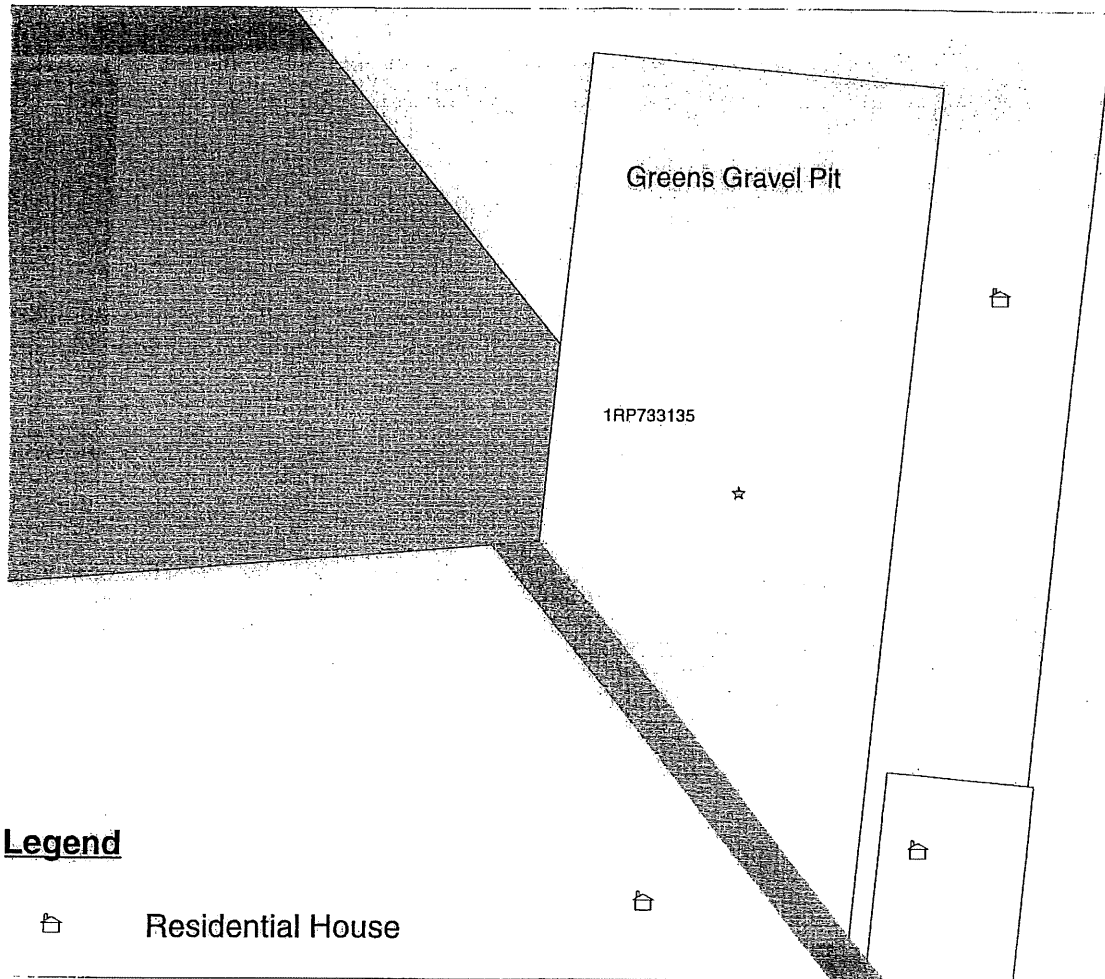


| Applicable Part | Environmentally Relevant Activity               | Location  |
|-----------------|---|---|
| Part 12         | ERA 16 (2a) Extractive >5,000t but <100,000t yr | <b>Greens Gravel Pit</b><br>Lot 1 on Plan RP733135<br>Crupi Road, EL ARISH QLD 4855 |

The ERA conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| Water                 |  |
|-----------------------|--|
| Condition Number      | Condition  |
| P12-W1                | The only contaminants permitted to be released to waters from the licensed place are suspended solids during overflow events from the settlement ponds.  |
| Stormwater Management |  |
| Condition Number      | Condition  |
| P12-SM1               | All settlement ponds must have sufficient freeboard to ensure there is adequate storage in addition to groundwater to contain runoff from a 1 in 10 year storm event of one hour duration.           |
| P12-SM2               | For the life of the extractive activity, the holder of this environmental authority shall ensure that revegetation areas are monitored and maintained to have at least 50% vegetative ground cover.. |

Site Plan – Greens Gravel Pit



| Applicable Part | Environmentally Relevant Activity   | Location   |
|-----------------|---|--|
| Part 13         | ERA 62 Waste transfer station operation receiving >30m <sup>3</sup> or >30t of waste on any day | <b>Stoters Hill Waste Transfer Station</b><br>Lot 2 on Plan RP734667<br>Quarry Road, Innisfail, QLD 4860 |

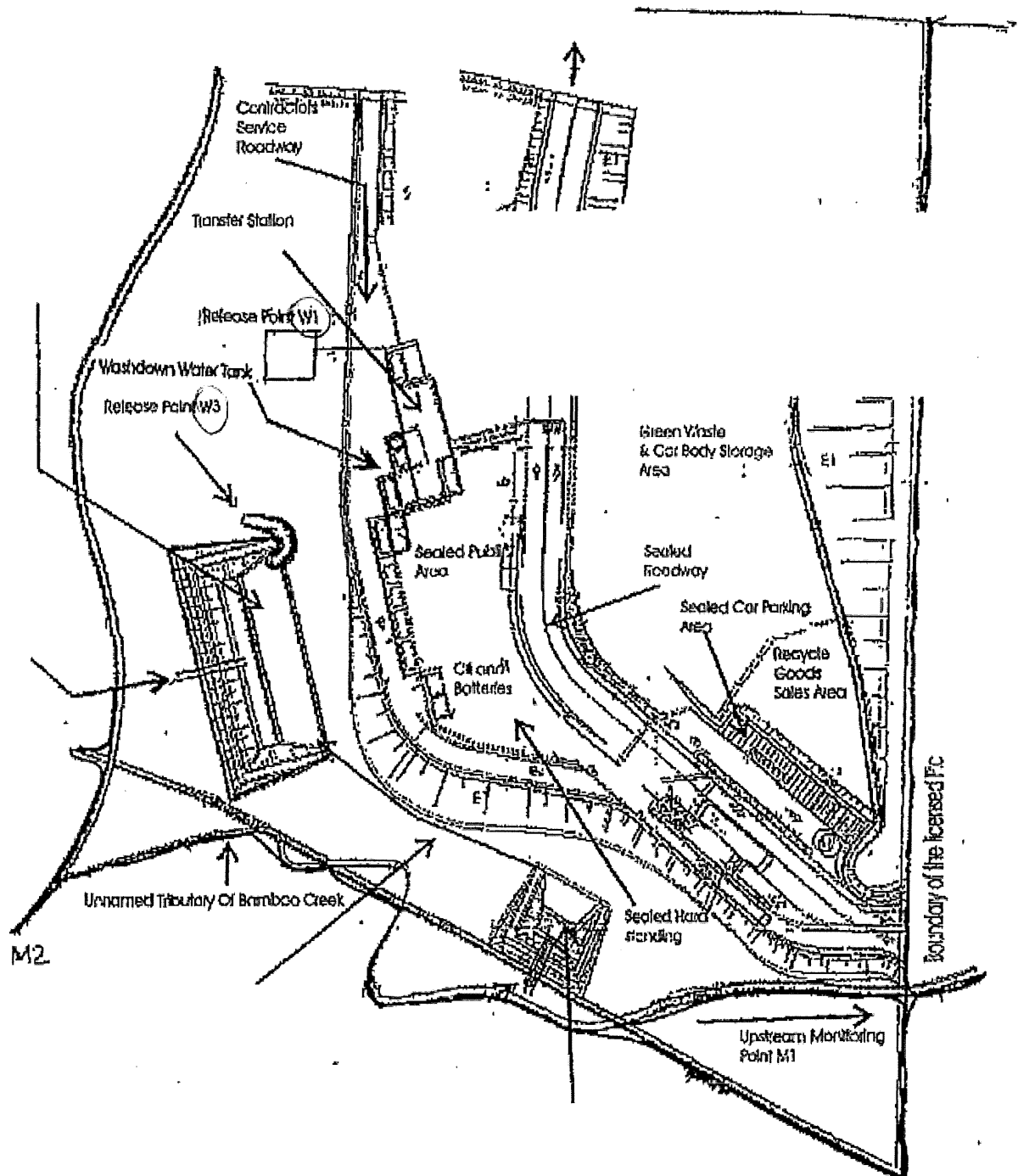
The ERAs conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| Water                        |   |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
|------------------------------|---|------------|-------------------------|---------------|------------|-------------------------|--|---------|---------------|--------------------------------------|-------|------------------------------|------|---------|-------------------------|-----|---------|-----------------------|--|---------|
| Condition Number             | Condition   |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| P13-W1                       | <b>Leachate Disposal</b><br>The holder of this environmental authority must ensure that all leachate generated on the licensed place is directed to sewer under a trade waste agreement.  |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| P13-W2                       | <b>Release Points</b><br>Contaminants that may cause environmental harm must not be directly or indirectly released from any source on the licensed place to any waters at any location other than the discharge of contaminated stormwater from sediment basins at Release Points 4.W1, 4.W2 and 4.W3 to waters described as the unnamed tributary of Bamboo Creek North (as shown in Site Plan – Stoters Hill Waste Transfer Station).  |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| P13-W3                       | <b>Quality Characteristics of Release to Waters</b><br>The release of contaminants to waters must comply, at Release Points 4.W1, 4.W2 and 4.W3 with each of the limits specified in Table 15 for each quality characteristic. <table border="1" data-bbox="320 1176 1410 1467"> <caption>Table 15</caption> <thead> <tr> <th>Quality Characteristics</th><th>Release Limit</th><th>Limit Type</th></tr> </thead> <tbody> <tr> <td>Suspended Solids (mg/L)</td><td>50 mg/L or 10% above background, whichever is greater.</td><td>Maximum</td></tr> <tr> <td>pH (pH Units)</td><td>background plus or minus one pH unit</td><td>Range</td></tr> <tr> <td>Specific Conductance (uS/cm)</td><td>1500</td><td>Maximum</td></tr> <tr> <td>Dissolved Oxygen (mg/L)</td><td>4.0</td><td>Minimum</td></tr> <tr> <td>Oil and Grease (mg/L)</td><td>10 mg/L or 10% above background, whichever is greater.</td><td>Maximum</td></tr> </tbody> </table> <p>Note: Background is measured at a point M1 upstream of the boundary of the licensed place as shown on the Site Plan – Stoters Hill Waste Transfer Station.</p> |            | Quality Characteristics | Release Limit | Limit Type | Suspended Solids (mg/L) | 50 mg/L or 10% above background, whichever is greater. | Maximum | pH (pH Units) | background plus or minus one pH unit | Range | Specific Conductance (uS/cm) | 1500 | Maximum | Dissolved Oxygen (mg/L) | 4.0 | Minimum | Oil and Grease (mg/L) | 10 mg/L or 10% above background, whichever is greater. | Maximum |
| Quality Characteristics      | Release Limit   | Limit Type |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| Suspended Solids (mg/L)      | 50 mg/L or 10% above background, whichever is greater.  | Maximum    |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| pH (pH Units)                | background plus or minus one pH unit  | Range      |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| Specific Conductance (uS/cm) | 1500  | Maximum    |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| Dissolved Oxygen (mg/L)      | 4.0   | Minimum    |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| Oil and Grease (mg/L)        | 10 mg/L or 10% above background, whichever is greater.  | Maximum    |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| Stormwater Management        |   |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| Condition Number             | Condition   |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| P13-SM1                      | The first twenty millimetres (20 mm) of stormwater runoff from the car body and green waste storage area must be directed to the dirty water pond. All subsequent contaminated stormwaters from the green waste and car body storage area may be directed to the sediment basin   |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| P13-SM2                      | No water may be discharged from the dirty water pond except to sewer or to the sediment basin and only then when the water level in the dirty water pond exceeds the initial spill level.   |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |
| P13-SM3                      | The only contaminants permitted to be collected in the sediment basin are contaminated stormwater from the sealed public area, sealed contractors area, unsealed contractors area, sealed contractors service roadway, sealed hardstand area, sealed roadway, sealed carpark, unsealed embankments and any other disturbed areas.   |            |                         |               |            |                         |  |         |               |                                      |       |                              |      |         |                         |     |         |                       |  |         |

|                         |  |
|-------------------------|--|
| P13-SM4                 | The stormwater bypass outlet must be designed such that continuing stormwater runoff does not flush any previously collected contents to any stormwater drain.   |
| P13-SM5                 | Within twenty-four (24) hours of the end of a rainfall event which has filled the first flush stormwater collection system, the prescribed minimum capacity of the collection system must again be made available in readiness for the next rainfall event by disposing to sewer of the captured contaminated stormwater runoff contained in the dirty water pond.   |
| <b>Noise</b>            |  |
| <b>Condition Number</b> | <b>Condition</b>   |
| P13-N1                  | Any noise generating activity carried out on the licensed place, such as the entry and/or departure of heavy vehicles, the filling and or movement of bins and shredding of green waste may only be carried out between the hours of: <ol style="list-style-type: none"> <li>1) 6.00 am and 6.00 pm - Monday through to Sunday inclusive;</li> <li>2) unless otherwise approved by the administering authority.</li> </ol>   |
| <b>Waste Management</b> |  |
| <b>Condition Number</b> | <b>Condition</b>   |
| P13-WM1                 | <p><b>Waste Acceptance Criteria</b></p> <p>This environmental authority permits only the following wastes to be received for storage at the licensed place:</p> <ol style="list-style-type: none"> <li>1) construction and demolition wastes (including paper covered plasterboard and metals, provided that such wastes are generated by construction and demolition activities and delivered to the licensed place as part of a mixed load of materials);</li> <li>2) solid inert waste;</li> <li>3) putrescible wastes;</li> <li>4) grits and screenings from sewage treatment plants and reticulation systems operated by the holder of this environmental authority;</li> <li>5) domestic waste;</li> <li>6) commercial waste (except for regulated wastes other than those permitted in condition number P13-WM2);</li> <li>7) industrial waste (except for regulated wastes other than those permitted in condition number P13-WM2);</li> <li>8) green wastes; and</li> <li>9) car bodies.</li> </ol> <p>Note:<br/>Nothing in condition number P13-WM1 prohibits wastes that are permitted to be disposed of at the Stoters Hill Landfill from being received at the licensed place in transit to the landfill.</p> |
| P13-WM2                 | <p><b>Regulated Waste Acceptance</b></p> <p>This environmental authority permits only the following regulated wastes to be received for storage at the approved place:</p> <ol style="list-style-type: none"> <li>1) used batteries;</li> <li>2) waste oil; and</li> <li>3) tyres; and</li> <li>4) asbestos.</li> </ol>  |

| Monitoring and Reporting             |   |                                      |           |                  |   |    |   |                                 |   |                         |  |
|--------------------------------------|---|--------------------------------------|-----------|------------------|---|----|---|---------------------------------|---|-------------------------|--|
| Condition Number                     | Condition   |                                      |           |                  |   |    |   |                                 |   |                         |  |
| P13-MR1                              | <p>The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the contaminants released from the release points 4.W1, 4.W2 and 4.W3 to check conformity with the release quality characteristics specified condition P13-W3 of this environmental authority and of the water quality at the surface water monitoring points M1 and M2 for the quality characteristics and at least at the frequency specified in condition number Table 15.</p> <p style="text-align: center;"><b>Table 17</b></p> <table> <tr> <th>Quality Characteristic Determination</th><th>Frequency</th></tr> <tr> <td>Suspended Solids</td><td>           a) once during any release from the sediment pond during the period from June through to November; and<br/>           b) twice during any release from the sediment pond during the period from December to May         </td></tr> <tr> <td>pH</td><td>           c) once during any release from the sediment pond during the period from June through to November; and<br/>           d) twice during any release from the sediment pond during the period from December to May         </td></tr> <tr> <td>Electrical Conductivity (uS/cm)</td><td>           e) twice during any release from the sediment pond during the period from June through to November; and<br/>           f) once per month during any release from the sediment pond during the period from December to May         </td></tr> <tr> <td>Dissolved Oxygen (mg/L)</td><td>           g) twice during any release from the sediment pond during the period from June through to November; and<br/>           h) once per month during any release from the sediment pond during the period from December to May.         </td></tr> </table> | Quality Characteristic Determination | Frequency | Suspended Solids | a) once during any release from the sediment pond during the period from June through to November; and<br>b) twice during any release from the sediment pond during the period from December to May | pH | c) once during any release from the sediment pond during the period from June through to November; and<br>d) twice during any release from the sediment pond during the period from December to May | Electrical Conductivity (uS/cm) | e) twice during any release from the sediment pond during the period from June through to November; and<br>f) once per month during any release from the sediment pond during the period from December to May | Dissolved Oxygen (mg/L) | g) twice during any release from the sediment pond during the period from June through to November; and<br>h) once per month during any release from the sediment pond during the period from December to May. |
| Quality Characteristic Determination | Frequency   |                                      |           |                  |   |    |   |                                 |   |                         |  |
| Suspended Solids                     | a) once during any release from the sediment pond during the period from June through to November; and<br>b) twice during any release from the sediment pond during the period from December to May   |                                      |           |                  |   |    |   |                                 |   |                         |  |
| pH                                   | c) once during any release from the sediment pond during the period from June through to November; and<br>d) twice during any release from the sediment pond during the period from December to May   |                                      |           |                  |   |    |   |                                 |   |                         |  |
| Electrical Conductivity (uS/cm)      | e) twice during any release from the sediment pond during the period from June through to November; and<br>f) once per month during any release from the sediment pond during the period from December to May   |                                      |           |                  |   |    |   |                                 |   |                         |  |
| Dissolved Oxygen (mg/L)              | g) twice during any release from the sediment pond during the period from June through to November; and<br>h) once per month during any release from the sediment pond during the period from December to May.  |                                      |           |                  |   |    |   |                                 |   |                         |  |
| P13-MR2                              | <p><b>Surface Water Monitoring</b></p> <p>The holder of this environmental authority must monitor and record the quality of surface waters in accordance with the monitoring plan to detect any possible release(s) of contaminants from the transfer station. This monitoring must be undertaken by analysing samples collected from sampling points M1 and M2 for at least the following indicator water quality characteristics:</p> <ol style="list-style-type: none"> <li>1) 5-Day Biochemical Oxygen Demand(mg/L)</li> <li>2) Total Aluminium (mg/L)</li> <li>3) Total Cadmium (µg/L)</li> <li>4) Total Chromium (mg/L)</li> <li>5) Total Copper (mg/L)</li> <li>6) Total Iron (mg/L)</li> <li>7) Total Lead (mg/L)</li> <li>8) Total Zinc (mg/L)</li> <li>9) Total Metals (mg/kg)</li> <li>10) Petroleum Hydrocarbons (mg/L).</li> </ol>   |                                      |           |                  |   |    |   |                                 |   |                         |  |
| P13-MR3                              | <p>The holder of this environmental authority must monitor surface water quality with samples collected from sample points in accordance with the surface water monitoring program on at least one occasion in each year.</p>   |                                      |           |                  |   |    |   |                                 |   |                         |  |

Site Plan – Stoters Hill Waste Transfer Station



| Applicable Part | Environmentally Relevant Activity   | Location  |
|-----------------|---|---|
| Part 14         | ERA 60 (1a) Waste Disposal facility (any combination of regulated waste, general waste and limited regulated waste – and <5t untreated clinical wastes if in a scheduled area) <50,000t/yr.<br>ERA 60 (2d) Waste disposal facility (any combination of general waste and no more than 10% limited regulated waste) >10,000-20,000t/yr | <b>Stoters Hill Landfill</b><br>Lot 2 Plan on RP734667<br>Lot 1 Plan on RP719182<br>Lots 1 and 2 on Plan NR4009<br>Lot 4 on Plan RP720775<br>Quarry Road, Innisfail, QLD 4860 |

The ERAs conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| Waste Management |   |
|------------------|---|
| Condition Number | Condition   |
| P14-WM1          | <b>Waste Discharge Components</b><br>The wastes disposed of at the licensed place must consist only of:<br>1) solid inert waste (dry waste) that:<br>a) contains no contaminants likely to cause environmental harm either directly or indirectly and<br>b) will not generate any contaminants through decomposition that are likely to cause environmental harm either directly or indirectly; or<br>2) asbestos.  |
| P14-WM2          | <b>Prohibited Wastes</b><br>The following wastes must not be disposed of at the licensed place:<br>1) putrescible wastes including unsorted domestic wastes.<br>2) liquescent wastes or any waste capable of yielding free liquids (excluding leachate or landfill gas condensate generated within the licensed place); or<br>3) soluble chemical wastes; or<br>4) regulated wastes other than asbestos and those wastes specifically permitted by condition number P14-WM1 of this environmental authority; or<br>5) infectious wastes, pharmaceutical wastes, pathogenic wastes and cytotoxic wastes; or<br>6) pyrophoric wastes, where co-disposed with other potentially combustible materials; or<br>7) automotive batteries; and<br>8) drums or any other container that has contained regulated waste; and<br>9) any other drums that have not been emptied and crushed or perforated. |
| P14-WM3          | Asbestos waste accepted for disposal must be packaged in reinforced double lined plastic bags or other containers impermeable to asbestos dust.   |
| P14-WM4          | Asbestos waste must be unloaded, handled and buried in such a manner that dust containing asbestos fibres is not generated.   |
| P14-WM5          | Asbestos waste must not be disposed of within two (2) metres of the final surface of the landfill.  |
| P14-WM6          | The holder of this environmental authority must keep a written record of the type, amount and location of all asbestos waste deposited on the site.   |
| P14-WM7          | The holder of this environmental authority must ensure an adequate supply of fire fighting water is at all times provided to the licensed place so that water can be discharged in an adequate volume to extinguish any fire occurring at the licensed place. This water may be reticulated or held in a static storage.  |

| Monitoring and Reporting               |   |                                       |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
|--|---|---------------------------------------|-------------------|----------------------|--|----------------------|---------------------|---------------------------------|-------------------------|-----------|------------------|-------------------------|-----------|----|-------------------------|-----------|-------------------------|-------------------------|-----------|------------------|-------------------------|-----------|-------------------------------|-------------------------|-----------|------------------------------|-------------------------|-----------|------------|-------------------------|-----------|-----------------|-------------------------|-----------|---------------|------|----------|----------------|------|----------|--------------|------|----------|------------|------|----------|------------|------|----------|--|
| Condition Number                       | Condition   |                                       |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| P14-MR1                                | <b>Monitoring of Surface Water and Leachate</b><br>The holder of this environmental authority is responsible for the making of determinations and keeping of records of the quality of the surface waters both upstream and downstream of the licensed place, of the site storm water discharge and of the water in the leachate collection well for the quality characteristics, and at the monitoring frequency specified, in Table 18.   |                                       |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| P14-MR2                                | Determinations of the quality of waters must be undertaken at the sampling and measurement point(s) described as:<br>1) Surface Waters:<br>a) Monitoring Point 3.W1 (Upstream)- at the diversion point of the catchment south of the licensed place on Spanagle Road; and<br>b) Monitoring Point 3.W2 (Downstream) - at the causeway on the access road to the house adjacent to the eastern boundary of the licensed place; and<br>2) Leachate - Monitoring Point 3.W3, the leachate collection well, and<br>3) Stormwater - Monitoring Point 3.W4, the stormwater discharge point from a stormwater control pond on the licensed place.   |                                       |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
|  | <b>Table 18</b>   |                                       |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
|  | <table><tr><th>Quality Characteristic Determinations</th><th>Monitoring Points</th><th>Monitoring Frequency</th></tr><tr><td>Presence of leachate in landfill cells</td><td>Face of tipping area</td><td>Every operating day</td></tr><tr><td>5-Day Biochemical Oxygen Demand</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Suspended Solids</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>pH</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Electrical Conductivity</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Dissolved Oxygen</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Temperature - Celsius degrees</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Total Petroleum Hydrocarbons</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Total Iron</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Total Aluminium</td><td>3.W1, 3.W2, 3.W3 &amp; 3.W4</td><td>Quarterly</td></tr><tr><td>Total Cadmium</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Chromium</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Copper</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Lead</td><td>3.W3</td><td>Annually</td></tr><tr><td>Total Zinc</td><td>3.W3</td><td>Annually</td></tr></table> | Quality Characteristic Determinations | Monitoring Points | Monitoring Frequency | Presence of leachate in landfill cells | Face of tipping area | Every operating day | 5-Day Biochemical Oxygen Demand | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Suspended Solids | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | pH | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Electrical Conductivity | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Dissolved Oxygen | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Temperature - Celsius degrees | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Total Petroleum Hydrocarbons | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Total Iron | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Total Aluminium | 3.W1, 3.W2, 3.W3 & 3.W4 | Quarterly | Total Cadmium | 3.W3 | Annually | Total Chromium | 3.W3 | Annually | Total Copper | 3.W3 | Annually | Total Lead | 3.W3 | Annually | Total Zinc | 3.W3 | Annually |  |
| Quality Characteristic Determinations  | Monitoring Points   | Monitoring Frequency                  |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Presence of leachate in landfill cells | Face of tipping area  | Every operating day                   |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| 5-Day Biochemical Oxygen Demand        | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Suspended Solids                       | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| pH                                     | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Electrical Conductivity                | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Dissolved Oxygen                       | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Temperature - Celsius degrees          | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Petroleum Hydrocarbons           | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Iron                             | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Aluminium                        | 3.W1, 3.W2, 3.W3 & 3.W4   | Quarterly                             |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Cadmium                          | 3.W3  | Annually                              |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Chromium                         | 3.W3  | Annually                              |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Copper                           | 3.W3  | Annually                              |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Lead                             | 3.W3  | Annually                              |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |
| Total Zinc                             | 3.W3  | Annually                              |                   |                      |  |                      |                     |                                 |                         |           |                  |                         |           |    |                         |           |                         |                         |           |                  |                         |           |                               |                         |           |                              |                         |           |            |                         |           |                 |                         |           |               |      |          |                |      |          |              |      |          |            |      |          |            |      |          |  |



P14-MR3

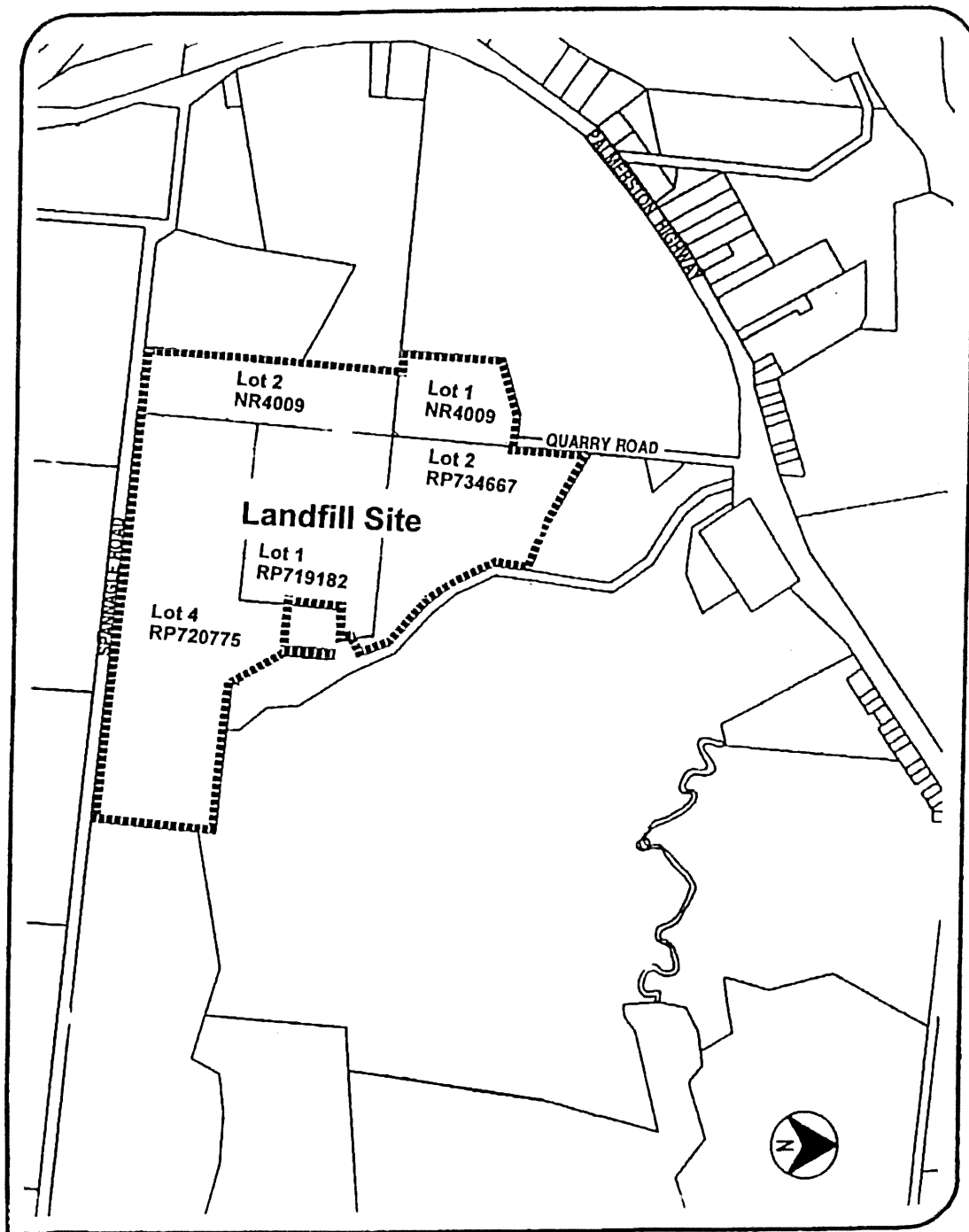
The holder of this environmental authority is responsible for ensuring a groundwater monitoring program is performed which complies with the following requirements:

- 1) standing water levels in metres must be measured and recorded on each occasion that samples are obtained. Such measurement must be undertaken prior to any disturbance by sampling and must be reported as the depth in metres from the top edge of the casing collar to the water surface within the bore; and
- 2) samples of groundwater must be taken from each of the bores and must be analysed for the quality characteristics, and at the frequency specified, in Table 19.

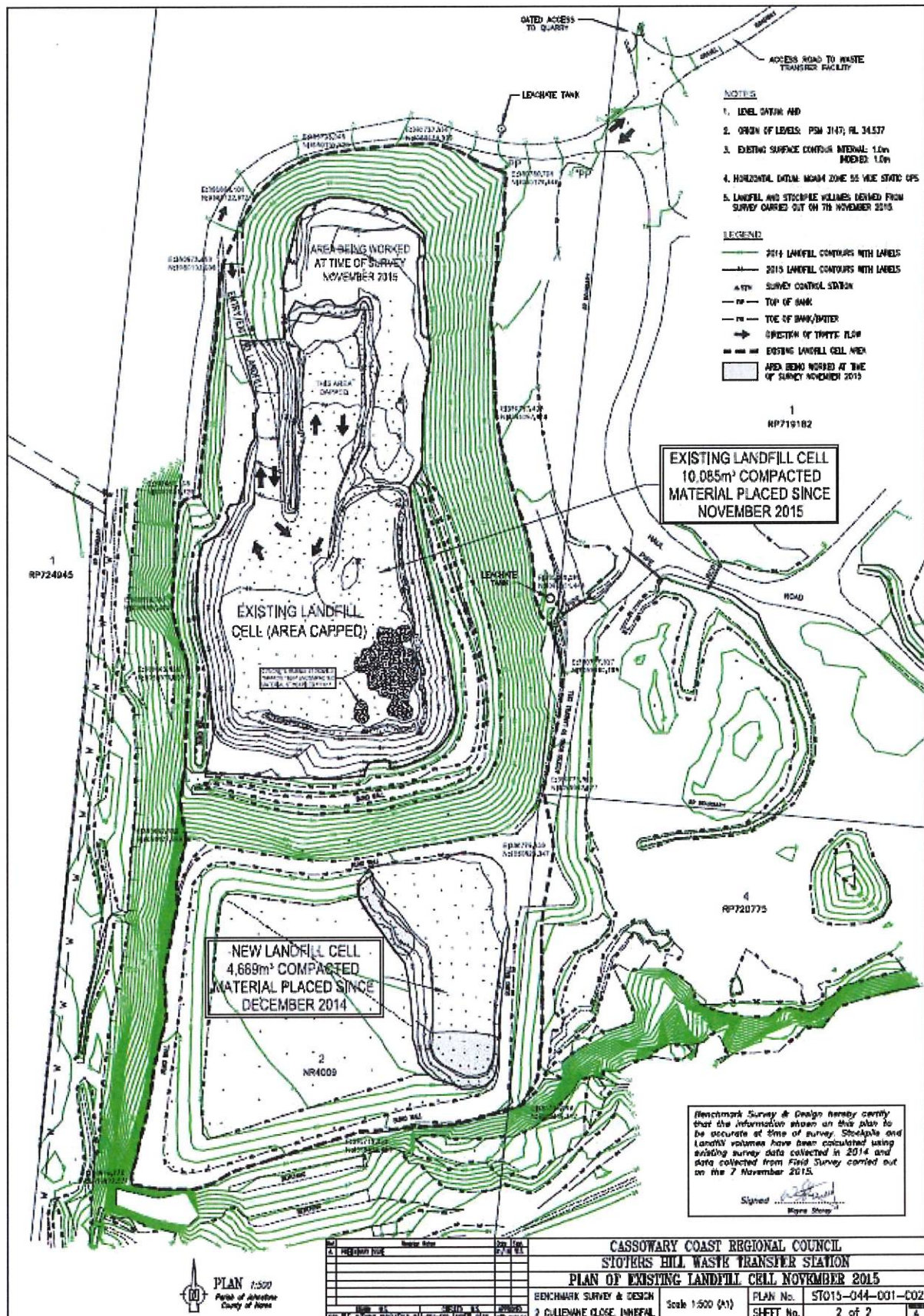
**Table 19**

| Quality Characteristic Determination | Frequency |
|--------------------------------------|-----------|
| Chemical Oxygen Demand               | Quarterly |
| pH                                   | Quarterly |
| Electrical Conductivity              | Quarterly |
| Dissolved Oxygen                     | Quarterly |
| Temperature - Celsius degrees        | Quarterly |
| Total Iron                           | Quarterly |
| Total Zinc                           | Quarterly |
| Total Petroleum Hydrocarbons         | Quarterly |
| Total Aluminium                      | Quarterly |
| Total Lead                           | Annually  |

Site Boundary Plan – Stoters Hill Waste Disposal Facility



Site Plan – Stoters Hill Waste Disposal Facility



| Applicable Part | Environmentally Relevant Activity                          | Location   |
|-----------------|--|--|
| Part 15         | ERA 64 (3) Water treatment - Raw water treatment >10ML/day | <b>Innisfail Water Treatment Plant</b><br>Lot 1 on Plan RP892074<br>Lot 2 on Plan NR2513<br>617 Palmerston Highway<br>Innisfail QLD 4860 |

The ERAs conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| Water                            |   |                                 |  |               |          |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|----------------------------------|---|---------------------------------|--|---------------|----------|----------------------|------------------|--------------------|-------------------------|---|---------------|--|----------------------|-----|-----|----------------------------------|------------------|-------------------------|-----|--|--|---------|---------------|-----|--|--|---------------------------------|-----|--|--|--------------------------|-----|--|--|----------------|------------------|-------------------------|--|--|----|---------|---------------|-----------------|-----|-----|---------------------------------|------------------|----|--|--------------------------|--|--|----------|
| Condition Number                 | Condition   |                                 |  |               |          |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
| P15-W1                           | <p><b>Monitoring</b></p> <p>Monitoring must be undertaken and records kept of contaminant releases to waters from the discharge location for the quality characteristics and not less frequently than specified in condition number Table 20 - Trigger levels and contaminant release limits to water. All determinations of the quality of contaminants released must be:</p> <ul style="list-style-type: none"> <li>a) made in accordance with methods prescribed in the latest edition of the Environment Protection Agency Water Quality Sampling Manual; and</li> <li>b) carried out on samples that are representative of the discharge.</li> </ul> <p style="text-align: center;"><b>Table 20 – Trigger levels and contaminant release limits to water</b></p> <table> <tr> <th rowspan="2">Monitoring point</th><th rowspan="2">Discharge location</th><th rowspan="2">Quality characteristics</th><th rowspan="2">Trigger Levels<sup>1</sup> Median<sup>2</sup></th><th colspan="2">Release limit</th><th rowspan="2">Monitoring frequency</th></tr> <tr> <th>Min</th><th>Max</th></tr> <tr> <td rowspan="4">W1 – reference site<sup>4</sup></td><td rowspan="4">Freshwater Creek</td><td>Suspended Solids (mg/L)</td><td>N/A</td><td></td><td></td><td rowspan="4">Monthly</td></tr> <tr> <td>pH (pH units)</td><td>N/A</td><td></td><td></td></tr> <tr> <td>Dissolved Oxygen (% saturation)</td><td>N/A</td><td></td><td></td></tr> <tr> <td>Aluminium (total - µg/L)</td><td>N/A</td><td></td><td></td></tr> <tr> <td rowspan="4">W2 - discharge</td><td rowspan="4">Freshwater Creek</td><td>Suspended Solids (mg/L)</td><td>80<sup>th</sup> percentile<sup>3</sup> of reference site</td><td></td><td>40</td><td rowspan="4">Monthly</td></tr> <tr> <td>pH (pH units)</td><td>Between 6.0-8.0</td><td>5.0</td><td>9.0</td></tr> <tr> <td>Dissolved Oxygen (% saturation)</td><td>Between 85 – 120</td><td>80</td><td></td></tr> <tr> <td>Aluminium (total - µg/L)</td><td>55 µg/L or 80<sup>th</sup> percentile<sup>3</sup> of reference site, whichever is higher</td><td></td><td>200 µg/L</td></tr> </table> <p><sup>1</sup> ANZECC (2000) trigger levels for aquatic ecosystems of slightly – moderately disturbed systems – table 3.4.1 level of protection 95%/Table 3.3.4/3.3.5 – tropical Australian upland rivers. OR QWQG (2006) guidelines.</p> <p><sup>2</sup> Trigger levels based on the 80<sup>th</sup> percentile is derived using ANZECC (2000) and QWQG (2006) methodology and are based on the reference sites.</p> <p><sup>3</sup> Based on a minimum of five consecutive samples.</p> <p><sup>4</sup> A “reference site” is described in QWQG (2006). A reference site is a site whose condition is considered</p> |                                 |  |               |          |                      | Monitoring point | Discharge location | Quality characteristics | Trigger Levels <sup>1</sup> Median <sup>2</sup> | Release limit |  | Monitoring frequency | Min | Max | W1 – reference site <sup>4</sup> | Freshwater Creek | Suspended Solids (mg/L) | N/A |  |  | Monthly | pH (pH units) | N/A |  |  | Dissolved Oxygen (% saturation) | N/A |  |  | Aluminium (total - µg/L) | N/A |  |  | W2 - discharge | Freshwater Creek | Suspended Solids (mg/L) | 80 <sup>th</sup> percentile <sup>3</sup> of reference site |  | 40 | Monthly | pH (pH units) | Between 6.0-8.0 | 5.0 | 9.0 | Dissolved Oxygen (% saturation) | Between 85 – 120 | 80 |  | Aluminium (total - µg/L) | 55 µg/L or 80 <sup>th</sup> percentile <sup>3</sup> of reference site, whichever is higher |  | 200 µg/L |
| Monitoring point                 | Discharge location  | Quality characteristics         | Trigger Levels <sup>1</sup> Median <sup>2</sup>  | Release limit |          | Monitoring frequency |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|                                  |   |                                 |  | Min           | Max      |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
| W1 – reference site <sup>4</sup> | Freshwater Creek  | Suspended Solids (mg/L)         | N/A  |               |          | Monthly              |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|                                  |   | pH (pH units)                   | N/A  |               |          |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|                                  |   | Dissolved Oxygen (% saturation) | N/A  |               |          |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|                                  |   | Aluminium (total - µg/L)        | N/A  |               |          |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
| W2 - discharge                   | Freshwater Creek  | Suspended Solids (mg/L)         | 80 <sup>th</sup> percentile <sup>3</sup> of reference site                                 |               | 40       | Monthly              |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|                                  |   | pH (pH units)                   | Between 6.0-8.0  | 5.0           | 9.0      |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|                                  |   | Dissolved Oxygen (% saturation) | Between 85 – 120   | 80            |          |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |
|                                  |   | Aluminium (total - µg/L)        | 55 µg/L or 80 <sup>th</sup> percentile <sup>3</sup> of reference site, whichever is higher |               | 200 µg/L |                      |                  |                    |                         |   |               |  |                      |     |     |                                  |                  |                         |     |  |  |         |               |     |  |  |                                 |     |  |  |                          |     |  |  |                |                  |                         |  |  |    |         |               |                 |     |     |                                 |                  |    |  |                          |  |  |          |

|        |  |
|--------|--|
|        | to be a suitable baseline or benchmark for assessment and management of the water treatment plant sites. The reference site must be selected with reference to the criteria for a reference sites for physio chemical indicators outlined in Table C.1 of the Queensland Water Quality Guidelines, 2006.   |
| P15-W2 | Contaminants must only be released to surface waters in compliance with the release limits listed in Table 21 - Trigger levels and contaminant release limits to water and the following discharge locations: <ul style="list-style-type: none"><li>a) Discharge Location W2 - namely release of filter backwash from the water treatment plant to the unnamed creek that feeds into North Johnstone River.</li></ul>  |
| P15-W3 | If receiving waters at the impacted site(s) defined as W2, exceed any of the contaminant trigger levels stated in Table 20, the environmental authority holder must: <ul style="list-style-type: none"><li>a) complete an investigation in accordance with the ANZECC (2000) methodology, into the potential for environmental harm;</li><li>b) provide a written report to the administering authority within 3 months of the date of the original exceedence, outlining:<ul style="list-style-type: none"><li>i) details of the investigations carried out; and</li><li>ii) actions taken to prevent environmental harm.</li></ul></li></ul> |



| Applicable Part | Environmentally Relevant Activity   | Location   |
|-----------------|---|--|
| Part 16         | ERA 63 Sewage treatment - Operating a sewage pumping station (design capacity >40KL an hour), if not an essential part of the operation of a sewage treatment works | <b>Tully Sewage Pump Stations</b><br>Lot 580 on Plan CWL2384<br>Andersen St, TULLY QLD 4854<br>Lot 581 on Plan CWL2385<br>Butler St, TULLY QLD 4854<br>Lot 579 on Plan CWL 2383<br>King St, TULLY QLD 4854 |

The ERAs conducted at the locations as described above must be conducted in accordance with the following site specific conditions of approval.

| General          |   |
|------------------|---|
| Condition Number | Condition   |
| P16-G1           | <b>Scale and intensity</b><br>The ERA to which this development approval relates must not be carried out in a manner which exceeds the following scale and intensity: <ol style="list-style-type: none"> <li>the operation of a 57kL (maximum) per hour sewage pumping station located at King Street Esplanade, Tully, Lot 579 on plan CWL2383;</li> <li>the operation of a 66kL (maximum) per hour sewage pumping station located at Anderson Street, Tully, Lot 580 on plan CWL2384; and</li> <li>the operation of a 131kL (maximum) per hour sewage pumping station located at the Showground, Tully, Lot 581 on plan CWL2385.</li> </ol>   |
| P16-G2           | The operator must notify the administering authority via the 24 hour hotline (Ph: 1300 130 372) as soon as practicable and no later than 24 hours after becoming aware of sewage releases described below. <ol style="list-style-type: none"> <li>any sewage release (any volume) that:               <ol style="list-style-type: none"> <li>poses a threat to public health (e.g. contamination of waterways with primary recreation values);</li> <li>results in any observable environmental impact (e.g. fish kill, distress to wildlife, marine plants or other aquatic life);</li> <li>discharges to, or is likely to impact, a sensitive place.</li> </ol> </li> <li>any dry weather release of sewage in excess of 10 000 litres.</li> </ol>                    |
| P16-G3           | If the notification requirements under condition P16-G2 do not apply, the operator must notify the administering authority of sewage releases to the environment as follows: <ol style="list-style-type: none"> <li>dry weather releases of sewage less than 5000 litres and all wet weather releases are to be notified in the form of a quarterly summary (electronic or hard copy format);</li> <li>dry weather releases of sewage of between 5000 litres and 10 000 litres are to be notified to the administering authority via the 24 hour hotline (Ph: 1300 130 372) and written confirmation to the administering authority (in a format approved by the administering authority) no later than 14 days after becoming aware of the sewage releases.</li> </ol> |
| Water            |   |
| Condition Number | Condition   |
| P16-W1           | The pumping station must be fitted with inflow and outflow gauges to monitor flow, or an alternative system that has the ability to calculate inflow and outflow of sewage from the pumping station.  |
| P16-W2           | All alarms must be able to operate without mains power.   |

| <b>Definitions:</b>   |   |
|---|---|
| <b>For the purpose of the environmental authority the following definitions apply</b> |   |
| <b>Word/phrase</b>  | <b>Definition</b>   |
| administering authority   | means the Department of Environment and Heritage Protection or its successor.   |
| annual return   | means the return required by the annual notice (under section 316 of the <i>Environment Protection Act 1994</i> ) for the section 73F registration certificate that applies to the development approval.  |
| ANZECC  | means <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality 2000</i> .  |
| approval  | means 'notice of development application decision' or 'notice of concurrence agency response' under the <i>Integrated Planning Act 1997</i> .   |
| approved plans  | means the plans and documents listed in the approved plans section in the notice attached to this environmental authority.  |
| artificial waterway   | means an artificial channel, lake or other body of water. Artificial waterway includes – <ul style="list-style-type: none"> <li>▪ an artificial channel that is formed because the land has been reclaimed from tidal water and is intended to allow boating access to allotments on subdivided land;</li> <li>▪ other artificial channels subject to the ebb and flow of the tide; and</li> <li>▪ any additions or alterations to an artificial waterway.</li> </ul> |
| authorised place  | means the place authorised under this environmental authority for the carrying out of the specified environmentally relevant activities.  |
| commercial place  | means a place used as an office or for business or commercial purposes.   |
| dwelling  | means any of the following structures or vehicles that is principally used as a residence – <ul style="list-style-type: none"> <li>▪ a house, unit, motel, nursing home or other building or part of a building;</li> <li>▪ a caravan, mobile home or other vehicle or structure on land;</li> <li>▪ a water craft in a marina.</li> </ul>  |
| Department of Environment and Heritage Protection                                     | means the department or agency (whatever called) administering the <i>Coastal Protection and Management Act 1995</i> or the <i>Environmental Protection Act 1994</i> .  |
| grab sample   | means one sample collected at any point in time.  |
| median  | means the middle value, where half the data are smaller, and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.   |
| maximum   | means that the measured value of the quality characteristic or contaminant must not be greater than the release limit stated.   |
| minimum   | means that the measured value of the quality characteristic or contaminant must not be less than the release limit stated.  |
| range   | means that the measured value of the quality characteristic or contaminant must not be greater than the higher release limit stated nor lower than the lower release limit stated.  |
| $L_{Amax\ adj, T}$  | means the average maximum A-weighted sound pressure level, adjusted for noise character and measured over a time period of not less than fifteen (15) minutes, using Fast response.   |
| background noise level  | means $L_{A90, T}$ being the A-weighted sound pressure level exceeded for 90 percent of the time period of not less than fifteen (15) minutes, using Fast response.   |
| $MaxL_{pA, T}$  | means the maximum A-weighted sound pressure level measured over a time period of not less than fifteen (15) minutes, using Fast response.   |

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| noise sensitive place    | means:<br>a) a dwelling, mobile home or caravan park, residential marina or other residential premises; or<br>b) a motel, hotel or hostel; or<br>c) a kindergarten, school, university or other educational institution; or<br>d) a medical centre or hospital; or<br>e) a protected area; or<br>f) a public park or gardens.   |
| attenuate                | means the decrease in concentration of chemical species present in liquid, e.g. the decrease in concentration of pollutants in liquid migrating from the base of a landfill as a result of its movement through soil.   |
| aquifer                  | means a subsurface zone or formation of rock which contains exploitable resources of groundwater.   |
| permeability             | means a measure of the rate at which a fluid will pass through a medium. The coefficient of permeability of a given fluid is an expression of the rate of flow through unit area and thickness under unit differential pressure at a given temperature. Synonymous with hydraulic conductivity when the fluid is water.   |
| compaction               | means increasing the density of solid waste in landfills by the repeated passage of heavy machinery over its surface.   |
| leachate recirculation   | means the practice of returning leachate to the upper layers of a landfill, from which it has been abstracted, usually by direct spraying or pump well injection.   |
| cover material           | means dense, inert and incombustible material used to cover solid wastes deposited in landfills.  |
| solid inert waste        | means hard waste and dry vegetative material which has a negligible activity or effect on the environment.  |
| intrusive noise          | means noise that, because of its frequency, duration, level, tonal characteristics, impulsiveness or vibration –<br><ul style="list-style-type: none"> <li>▪ is clearly audible to, or can be felt by, an individual; and</li> <li>▪ annoys the individual.</li> <li>▪ In determining whether a noise annoys an individual and is unreasonably intrusive, regard must be given to Australian Standard 1055.2 – 1997 Acoustics – Description and Measurement of Environmental Noise Part 2 – Application to Specific Situations.</li> </ul>  |
| LA 10, adj, 10 mins      | means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.   |
| LA 1, adj, 10 mins       | means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.  |
| land                     | in the "land conditions" of this document means land excluding waters and the atmosphere.   |
| µg/L                     | means micrograms per litre.   |
| noxious                  | means harmful or injurious to health or physical well-being.  |
| NTU                      | means nephelometric turbidity units.  |
| nuisance sensitive place | includes –<br><ul style="list-style-type: none"> <li>▪ a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or</li> <li>▪ a motel, hotel or hostel; or</li> <li>▪ a kindergarten, school, university or other educational institution; or</li> <li>▪ a medical centre or hospital; or</li> <li>▪ a protected area under the <i>Nature Conservation Act 1992</i>, the <i>Marine Parks Act 1992</i> or a World Heritage Area; or</li> <li>▪ a public thoroughfare, park or gardens; or</li> <li>▪ 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.</li> </ul> |



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| offensive                             | means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.   |
| total nitrogen                        | means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen.  |
| mg/L                                  | means milligrams per litre.  |
| QWQG                                  | means the <i>Queensland Water Quality Guidelines 2006</i> .  |
| watercourse                           | means a river, creek or stream in which water flows permanently or intermittently- <ul style="list-style-type: none"> <li>▪ in a natural channel, whether artificially improved or not; or</li> <li>▪ in an artificial channel that has changed the course of the watercourse.</li> </ul>  |
| 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.  |
| you                                   | means the holder of this environmental authority or owner / occupier of the land which is the subject of this environmental authority.   |
| construction or demolition waste      | means waste resulting from carrying out a construction or demolition activity, but does not include paper, cardboard, unseasoned timber and regulated waste.   |
| dust                                  | means earth or other matter in fine, dry particles generated by disposal of construction or demolition waste.  |
| capped                                | means the covering of a tipping area with a low permeability material to inhibit penetration by liquids.   |
| 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.   |
| recyclable waste                      | means clean inoffensive waste that is declared to be recyclable waste under an application for an approval granted under section 118B of the <i>Environmental Protection Act 1994</i> .  |
| licensed places                       | means all the licensed places listed individually in the other parts of this environmental authority.  |
| waste disposal activities             | means all activities relating to waste disposal and includes the shredding of waste (where applicable), stockpiling of cover material, temporary waste storage, leachate collection and disposal, lifter control and cell, trench or disposal area construction.   |
| future waste disposal cell/ or trench | means any cell or/ trench constructed after this environmental authority takes effect.   |
| active disposal cell                  | means any cell currently being used for the disposal of wastes accepted under a condition of this environmental authority and includes all or part of a waste disposal cell.   |
| dust sensitive place                  | means: <ul style="list-style-type: none"> <li>a) a dwelling, mobile home or caravan park, residential marina or other residential place;</li> <li>b) a motel, hotel or hostel;</li> <li>c) a kindergarten, school, university or other educational institution;</li> <li>d) a medical centre or hospital;</li> <li>e) a protected area;</li> <li>f) a park or gardens; or</li> <li>g) a place used as an office or for business or commercial purposes.</li> </ul> |
| odour sensitive place                 | has the same meaning as a "dust sensitive place"   |
| protected area                        | means: <ul style="list-style-type: none"> <li>a) a protected area under the Nature Conservation Act 1992; or</li> <li>b) a marine park under the Marine Parks Act 1992; or</li> </ul>  |

|                              |   |
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|                              | c) a World Heritage Area.   |
| composite                    | in respect of sampling means either time based taken at hourly intervals to cover the period in the twenty-four (24) hours of the sampling day during which a contaminant release occurs; or taken after set flow volumes to cover the period of the sampling day during which the contaminant release occurs.  |
| 80th percentile              | means not more than one (1) of the measured values of the quality characteristic is to exceed the stated release limit for any five (5) consecutive samples for a sampling point at any time during the environmental activity(ies) works.  |
| regulated waste              | means non-domestic waste mentioned in Schedule 7 of the <i>Environmental Protection Regulation 1998</i> (whether or not it has been treated or immobilized), and includes: <ul style="list-style-type: none"> <li>a) for an element - any chemical compound containing the element; and</li> <li>b) anything that has contained the waste.</li> </ul> |
| annual return                | means the return required by the annual notice (under section 316 of the <i>Environment Protection Act 1994</i> ) for the section 86(2) license that applies to the environmental authority.  |
| dry weather day              | refers to a day during which no rain falls within the catchment of the sewered area from the commencement of measurement for that day. The term also excludes days during which measurement is made which occurs within three (3) days following cumulative rainfall of 100 mm over the three (3) preceding days.                                     |
| wet weather day              | refers to any day other than a dry weather day.   |
| ADWF                         | means average dry weather flow.   |
| administering authority      | means the Department of Environment and Heritage Protection or its successor.   |
| coastal dune                 | means a ridge or hillock of sand or other material on the coast and built up by the wind.   |
| dredge spoil                 | means material taken from the bed or banks of waters by using dredging equipment or other equipment designed for use in extraction of earthen material.   |
| erosion prone area           | means an area declared to be an erosion prone area under section 70(1) of the <i>Coastal Protection and Management Act 1995</i> .   |
| high water mark              | means the ordinary high water mark at spring tides.   |
| quarry material              | means material on State coastal land, other than a mineral within the meaning of any Act relating to mining. Material includes for example stone, gravel, sand, rock, clay, mud, silt and soil, unless it is removed from a culvert, stormwater drain or other drainage infrastructure as waste material.   |
| clinical waste               | means waste that has the potential to cause disease including, for example, the following: <ul style="list-style-type: none"> <li>a) animal waste;</li> <li>b) discarded sharps;</li> <li>c) human tissue waste;</li> <li>d) laboratory waste.</li> </ul>   |
| ponded pasture               | means a permanent or periodic pondage of water in which the dominant plant species are pasture species used for grazing or harvesting.  |
| bypass                       | means when the standard treatment processes of the plant do not occur as a result of wet weather and inflows that are in excess of the peak design capacity for inflow resulting in the release of untreated or partially treated effluent from the sewage treatment plant to the environment.  |
| tidal water                  | means the sea and any part of a harbor or watercourse ordinarily within the ebb and flow of the tide at spring tides.   |
| 50th percentile – short term | means not more than three (3) of the measured values of the quality characteristic are to exceed the stated release limit for any six (6) consecutive samples for a release/monitoring point at any time where:   |

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|--|--|
|  | <ul style="list-style-type: none"> <li>a) the consecutive samples are taken over a five (5) week period;</li> <li>b) the consecutive samples are taken at approximately equal periods; and</li> <li>c) the time interval between the taking of each consecutive sample is not less than three (3) days or greater than eleven (11) days.</li> </ul>  |
| 50th percentile – long term                | <p>means not more than twenty-six (26) of the measured values of the quality characteristic are to exceed the stated release limit for any fifty-two (52) consecutive samples for a release/monitoring point at any time where:</p> <ul style="list-style-type: none"> <li>a) the consecutive samples are taken over a 1 year period;</li> <li>b) the consecutive samples are taken at approximately equal periods; and</li> <li>c) the time interval between the taking of each consecutive sample is not less than three (3) days or greater than eleven (11) days.</li> </ul>   |
| leachate collection system                 | means drains, sumps and pumps employed to direct leachate generated on the licensed place to a leachate collection pond or dam.  |
| waste disposal activities                  | means all activities relating to waste disposal and includes the shredding of waste (where applicable), stockpiling of cover material, temporary waste storage, leachate collection and disposal, litter control and cell, trench or disposal area construction, and irrigation of wastewater.   |
| contaminated stormwater                    | <p>means stormwater which has contacted the following areas described on the site plan as:</p> <ul style="list-style-type: none"> <li>a) sealed roads;</li> <li>b) sealed public area;</li> <li>c) sealed construction area;</li> <li>d) unsealed recyclable goods storage area;</li> <li>e) sealed hardstand area;</li> <li>f) unsealed embankment areas;</li> <li>g) sealed contractors service roadway;</li> <li>h) unsealed contractors area;</li> <li>i) sealed car park area; and</li> <li>j) all runoff from the green waste and car body storage area after the first 20mm of runoff from this area during a rainfall event.</li> </ul> <p>But does not include:</p> <ul style="list-style-type: none"> <li>a) leachate;</li> <li>b) waste waters from the cleaning of permanent haul roads surfaced with bitumen and equivalent hard surfaces areas;</li> <li>c) stormwater runoff from any area which contains litter; and</li> <li>d) stormwater from the roofs of any on-site structures.</li> </ul> |
| active tipping area                        | means any portion of the site currently in use for the disposal of waste.  |
| aquifer                                    | means a subsurface geological structure which is or may be permeated permanently or intermittently with water.   |
| biannually                                 | means in the first week of each of March and September.  |
| immediately                                | means as soon as is recognised by, or reported to, an operator of the licensed place or an employee of the holder of this environmental authority.   |
| future waste disposal cell, trench or area | means any cell, trench or area constructed after this environmental authority takes effect.  |
| infectious waste                           | means a waste which is known to be contaminated with pathogenic micro-organisms and which presents a recognised infectious hazard to personnel handling it if appropriate precautions are not used.  |
| landfill cell                              | means a compartment within a tipping area in which waste is deposited, and enclosed by cover material.   |

|                              |   |
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| litter                       | means any solid substance or object, which has been or may be blown by the wind beyond the perimeter of the landfill site.  |
| potentially infectious waste | means waste which is contaminated with blood or other body fluids and which is generated during the treatment or investigation of any patient, even though an infection is not known, or suspected to be present. |
| putrescible waste            | means waste able to be decomposed by bacterial action.  |
| pyrophoric wastes            | means wastes which, in the absence of a separate ignition source, may spontaneously ignite.   |
| tipping face                 | means the portion of the active tipping area actually in use for the tipping of waste.  |
| waste                        | does not include any material deposited on the site in an area set aside for recycling or any vegetative material stockpiled for chipping or composting.  |
| waste water                  | means any stormwater runoff which may have contacted wastes collected and stored in the upper waste water storage pond.   |
| water table                  | means the upper level of the saturated zone in an unconfined aquifer where the water pressure is equal to atmospheric pressure.   |

**END OF PERMIT**