

**CLEAN COPY OF CONDITIONS OFFERED BY REMEDIATION NZ, 6 APRIL 2021 (POST HEARING)**

<b><i>NUMBER</i></b>	<b><i>OFFERED CONDITION</i></b>
<i>a</i>	<p><i>General condition</i></p> <p>The consent holder must pay to the Taranaki Regional Council all reasonable administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.</p>
<b>General Conditions</b>	
1	<p>This consent authorises the discharge of:</p> <ul style="list-style-type: none"><li>(a) stormwater and leachate from vermiculture operations, after treatment in the Wetland Treatment System, directly to an unnamed tributary of the Haehanga Stream;</li><li>(b) stormwater and leachate from composting operations by irrigation to land;</li><li>(c) solid organic material to land for composting;</li><li>(d) material stored on Pad 3 as at the date of commencement of this consent ('existing stockpiled material') to land for use as a soil conditioner;</li><li>(e) stormwater and leachate from stockpiled material to land via irrigation; and</li><li>(f) contaminants to air associated with site operations.</li></ul>
2	<p>The exercise of this consent must be undertaken in general accordance with the information provided in support of the application for this consent (prepared by Landpro Ltd, dated 26 June 2020). Where there is conflict between the application and consent conditions, the conditions prevail.</p>
<b>Management Plans</b>	
3	<p>a) All activities on site shall be carried out in general accordance with the management plans required by the conditions of this consent.</p> <p>These are;</p> <ul style="list-style-type: none"><li>i. Site Practices Plan (SPP);</li><li>ii. Stormwater Infrastructure Management Plan (SIMP);</li><li>iii. Pond Management Plan (PMP);</li></ul>

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	<ul style="list-style-type: none"> <li>iv. Irrigation Management Plan (IMP);</li> <li>v. Adaptive Management Plan (AMP);</li> <li>vi. Storage Capacity Management Plan;</li> <li>vii. Wetland Management Plan (WMP);</li> <li>viii. Nitrogen and Phosphorous Management Plan (N&amp;PMP);</li> <li>ix. Odour Management Plan (OMP);</li> <li>x. Stockpile Remediation Plan (SRP);</li> <li>xi. Environmental Monitoring Plan (EMP);</li> <li>xii. Site Contingency Plan (SCP); and,</li> <li>xiii. Site Exit Plan (SEP);</li> </ul> <p>b) All personnel involved with management of the site shall be made aware of, and have access to, all conditions and management plans applicable to site operations, including any amendments to the management plans. Copies of these documents shall be kept on site at all times.</p> <p>c) The Consent Holder shall undertake an annual review of all management plans in 3 a). This review shall include, but not necessarily be limited to:</p> <ul style="list-style-type: none"> <li>i. Compliance with the management plans;</li> <li>ii. Success of the management plans in ensuring compliance with the consent conditions;</li> <li>iii. Reviewing any significant changes to activities or methods and/or unanticipated adverse effects resulting from the activities or methods to give effect to the consent conditions;</li> <li>iv. Any changes to roles and responsibilities of personnel responsible for site operations and management;</li> <li>v. Any changes to the location and/or layout of site infrastructure;</li> <li>vi. Reviewing the results of all inspections, monitoring and reporting associated with the management of the site, including TRC inspection notices, internal and external inspections, audits and investigations, and any cultural monitoring or investigations undertaken by Ngati Mutunga;</li> <li>vii. Reviewing responses to any comments or recommendations from TRC, Ngati Mutunga, neighbours or the wider community in relation to site operations or management, including a review of responses documented in the complaints register required under condition 36 and any matters raised at the community liaison meetings required under condition 40;</li> </ul>

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	<p>The findings of this review shall be provided to the Chief Executive, TRC annually, on or before the anniversary of commencement of this consent, for the lifetime of the consent. A copy shall be provided to Ngati Mutunga and to parties attending the community liaison meetings .</p> <p>d) Management plans must be updated to reflect the findings of the review where appropriate, and changes to management plans proposed as part of the annual review must be provided to the TRC for re-certification at the time of providing the findings of the review under c).</p> <p>e) All Management plans listed in a) must be provided to the Chief Executive, Taranaki Regional Council for re-certification at a minimum of every two years on the anniversary of commencement of this consent.</p> <p>f) Re-certification by the Taranaki Regional Council may include independent peer review by a suitably qualified and experienced person.</p>
<b>Receipt, recording and management of waste</b>	
4	<p>Subject to condition 5 below, the raw materials accepted on site must be limited to solid compostable organic material, consisting of the following:</p> <ul style="list-style-type: none"> <li>• Paunch grass;</li> <li>• Animal manure from meat processing plant stock yards, and dairy farm oxidation pond solids;</li> <li>• Green vegetative wastes;</li> <li>• Mechanical pulping pulp and paper residue (excluding any pulping wastes that have been subject to chemical pulping or treated or mixed with any substance or material containing chlorine or chlorinated compounds);</li> <li>• Vegetable waste solids (being processing by-products);</li> <li>• Fish skeletal and muscle residue post filleting (free from offal); and</li> <li>• Poultry industry waste (eggs, macerated chicks and chicken mortalities);</li> <li>• Untreated sawdust;</li> <li>• Molasses;</li> <li>• Solid dairy industry waste (cheese, milk powder, casein);</li> <li>• Sausage waste;</li> <li>• Domestic household and commercial food scraps from Council kerbside collection (bones, fruit, vegetables, meat, bread, dairy, cooked food, paper towels, cut flowers, coffee grounds, tea leaves/bags, eggshells and</li> </ul>

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	<ul style="list-style-type: none"> <li>seafood shells);</li> <li>• Palm kernel;</li> <li>• Prolick;</li> <li>• Food scraps from Powerco and Fonterra;</li> <li>• Diatomaceous earth mix;</li> <li>• Activated carbon;</li> <li>• Ox tails;</li> <li>• Organic waste from Brooklands Zoo;</li> <li>• Sheep and lamb skins.</li> </ul>
5	<p>Subject to 6(d) below, solid organic compostable material not listed in condition 3 may be accepted on a ‘one-off’ or temporary basis with the prior approval of the Chief Executive, Taranaki Regional Council (‘Chief Executive’). Approval may only be given after the consent holder has made a specific request for authorisation to accept material pursuant to this condition, and provided the Chief Executive with full details of the material including:</p> <ul style="list-style-type: none"> <li>(a) the type of material and its origin;</li> <li>(b) the volume;</li> <li>(c) the timing/duration of the discharge; and</li> <li>(d) any other information that the Chief Executive may reasonably request in order to determine the likely effects of the discharge including chemical analysis.</li> </ul>
6	<p>The following materials must not be allowed on site:</p> <ul style="list-style-type: none"> <li>(a) material produced as a result of a dissolved air flotation process;</li> <li>(b) biosolid waste;</li> <li>(c) any waste that may contain human faecal material or body fluids;</li> <li>(d) contaminated soil; or</li> <li>(e) any oil and gas related waste.</li> </ul>
7	<p>The consent holder must record the following information for all material accepted onto the site:</p> <ul style="list-style-type: none"> <li>(a) the date and time that the material arrives;</li> </ul>

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	<p>(b) the type of material with reference to the list of authorised materials in condition 3;</p> <p>(c) the weight of each type material; and</p> <p>(d) the origin of the material.</p> <p>The information required by this condition must be provided to the Chief Executive, Taranaki Regional Council, within 24 hours of the material arriving on site.</p>
8	<p>At all times, composting activities onsite shall be managed in accordance with best practice to minimise odour, leachate, vermin and pathogens, including but not limited to the following;</p> <ol style="list-style-type: none"> <li>a) Within 3 hours of raw waste material being received, it must be mixed with greenwaste on Pad 1 in the appropriate proportions New Zealand Composting Standard NZS 4454 for composting, and windrowed so that the composting process begins.</li> <li>b) Under no circumstances must there be any discharge of waste material to the ‘collection pond’, or to the material stockpiled on Pad 3;</li> <li>c) The consent holder must measure and record the temperature and oxygen level in all compost piles in accordance with NZS 4454;</li> <li>d) The Consent Holder must not turn the compost piled before 8AM or after 6PM on any day unless the wind is from a northerly direction.</li> </ol>
9	<p><b>Site Practices Plan (SPP)</b></p> <ol style="list-style-type: none"> <li>a) To demonstrate compliance with 4-8 the consent holder shall submit to the Chief Executive, Taranaki Regional Council a <b>Site Practices Plan (SPP)</b> within two months of the commencement of this consent for certification. This plan must include, but not be limited to; <ol style="list-style-type: none"> <li>i. Procedures to ensure only the materials authorised by this consent are received;</li> <li>ii. Procedures to prevent unauthorised dumping of material at the site;</li> <li>iii. Procedures to be followed in the event of inadvertent receipt/ dumping of unauthorised materials;</li> <li>iv. Procedures for recording the received materials and ensuring the information required under condition 7 of this consent is reported to the Taranaki Regional Council within 24 hours;</li> <li>v. Details on how compliance with NZS 4454 is achieved;</li> <li>vi. Details on how the temperature and oxygen levels in the compost piles is measured and recorded, and;</li> <li>vii. Procedures to ensure the wind direction is taken into account when undertaking site activities, including how compliance with 8(e) is achieved.</li> </ol> </li> </ol>
<b>Site Operations</b>	

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<b>10</b>	<p><b>Accountable Person</b></p> <ul style="list-style-type: none"> <li>a) Within 2 months of commencement of this consent, the Consent Holder must engage an Accountable Person to be responsible for compliance of all conditions of this consent;</li> <li>b) The Accountable Person must be based onsite for a minimum of 4 hours per day, for four days per week, unless otherwise agreed by the Chief Executive, Taranaki Regional Council who may consult Ngati Mutunga prior to agreeing to reduced hours;</li> <li>c) The Accountable Person must; <ul style="list-style-type: none"> <li>i. Prepare, review, submit and ensure compliance with all management plans listed in condition 3 above;</li> <li>ii. Ensure there is another person who can provide cover in the event they are sick or unavailable, and to provide for succession ('Nominated Cover Person');</li> <li>iii. Be the point of contact for Taranaki Regional Council, Ngati Mutunga and the community and pro-actively engage with these parties as required under this consent.</li> </ul> </li> <li>d) The Accountable Person and the Nominated Cover Person must be approved by the Chief Executive, Taranaki Regional Council, who may consult with Ngati Mutunga prior to approval of the person.</li> <li>e) In the event that the Accountable Person or Nominated Cover Person change, the new persons for these roles must also be approved as per c) above.</li> <li>f) The Accountable Person must be re-approved every 12 months by the Taranaki Regional Council</li> </ul>
11	<p>At all times the Consent Holder shall ensure that potentially contaminated stormwater is directed to the appropriate treatment systems onsite.</p> <ul style="list-style-type: none"> <li>a) The site must be constructed and maintained to ensure that, at all times: <ul style="list-style-type: none"> <li>i. stormwater runoff from clean areas of the site is prevented from entering Pad 1, Pad 2, Pad 3, the Paunch Maturation Pond, and any other area used for vermiculture activities; and</li> <li>ii. all stormwater and/or leachate from Pad 1, Pad 2, Pad 3 and the Paunch Maturation Pond, must be directed to the irrigation pond and discharged to land via irrigation or directed through the Wetland Treatment System.</li> <li>iii. Any other area used for vermiculture activities must be directed to the irrigation pond and discharged to land via irrigation or directed through the Wetland Treatment System unless the material is covered.</li> </ul> </li> <li>b) Pad 1, Pad 3 and all worm bed areas must at all times be constructed, compacted and maintained, including by having</li> </ul>

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	<p>a positive grade and low permeability, to ensure that runoff flows directly from them without ponding.</p> <p>c) To demonstrate compliance with 7 a) and b) the consent holder shall submit to the Chief Executive, Taranaki Regional Council a <b>Stormwater Infrastructure Management Plan (SIMP)</b> within one month of the commencement of this consent for certification. This plan must include, but not be limited to;</p> <ul style="list-style-type: none"> <li>i. a plan showing the locations of all stormwater drains, bunds and channels onsite, including their location and elevations in relation to a defined datum and Reduced Level (RL);</li> <li>ii. details on how frequently stormwater drains and channels are inspected, and the standard against which they are inspected, and;</li> <li>iii. details on the process and timeframes for reporting and addressing any incursions, breaches or non-conformances.</li> </ul> <p><u>Note:</u> For the purposes of this condition, the location and extent of Pads 1- 3, the Paunch Maturation Pond, and the worm beds are shown on Figure 1, attached as Appendix 1 of this consent.</p>
12	<p>There must be no discharge or leakage of contaminants to water, or onto or into land in circumstances that may enter water, from any pond containing contaminants on the site.</p> <ul style="list-style-type: none"> <li>a) From a date no more than 2 months following the commencement of this consent the Truck Wash Pond, Irrigation Pond, Paunch Maturation Pond and any pond that may contain stormwater and/or leachate, must be lined with material that has a permeability not exceeding <math>1 \times 10^{-9} \text{ ms}^{-1}</math> to prevent leakage through the bed and/or sidewalls.</li> <li>b) From the commencement of this consent, at intervals not exceeding 24 months, the consent holder must engage a suitably qualified and experienced person to certify the permeability of the ponds required in a), and provide a report to the Chief Executive, Taranaki Regional Council, that demonstrates compliance with that condition.</li> <li>c) At least once per month, the Consent Holder must inspect all ponds used to store contaminants for breaches, cracks, incursions, holes or defects. The Consent Holder must take photographs of the ponds during the inspection which show all aspects of the structure and make these available to the Chief Executive, Taranaki Regional Council, on request.</li> <li>d) The Consent Holder must notify the Chief Executive, Taranaki Regional Council within 48 hours if the certification required by b) or the inspections required by c) above, or if any other inspection or testing identifies that; <ul style="list-style-type: none"> <li>i. Any pond is not structurally sound (which may be identified through the presence of slumping, hollows, bulges or defects, or visible leakage from the pond;</li> <li>ii. Any pond structure has visible holes, cracks or defects that could allow contaminants to leak from the structure.</li> </ul> </li> <li>e) Within one week of undertaking notification in accordance with d) above, the Consent Holder must advise the Chief Executive, Taranaki Regional Council in writing of the steps that will be undertaken to ensure that the structure is</li> </ul>

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	<p>made suitable for ongoing use, including (but not limited to);</p> <ul style="list-style-type: none"> <li>i. Any additional monitoring or testing to be undertaken;</li> <li>ii. An outline of the proposed works to be undertaken to remediate the structure;</li> <li>iii. The timeframe for completion of the works, which shall be no longer than 2 months;</li> <li>iv. The additional mitigation measures that will be employed to minimise the adverse effects of the leaking structure prior to the remediation works in iii) being completed;</li> <li>v. Testing, certification and/or inspections to be completed following the remedial works to demonstrate the structure is able to comply with the conditions of this consent.</li> </ul> <p>f) To demonstrate compliance with 12 a)-e), the Consent Holder must submit a <b><u>Pond Management Plan (PMP)</u></b> within two months of the commencement of this consent. This plan must include, but not be limited to;</p> <ul style="list-style-type: none"> <li>i. Operational procedures relating to all ponds onsite;</li> <li>ii. Emergency Response procedures;</li> <li>iii. Monitoring and reporting and the maintenance of records of these activities;</li> <li>iv. The undertaking of visual inspections and recording, documentation and reporting of these;</li> <li>v. Records of any maintenance work undertaken (including photographs)</li> </ul>
13	<p>Within 3 months of this consent commencing the Collection Pond must be filled with inert solid material and remediated.</p> <p><u>Note:</u> For the purposes of this consent, the ‘Collection Pond’, the Duck Pond and Pad 3 are shown on Figure 1, attached as Appendix 1 of this consent.</p>
<b>Irrigation</b>	
14	<p>The Consent Holder must keep records of the volume and location of all wastewater irrigated to land under this consent.</p> <ul style="list-style-type: none"> <li>a) From a date no later than two months after this consents commencing, the consent holder must measure and record the rate and volume of discharge from the Irrigation Pond at intervals not exceeding 1 minute to an accuracy of +5%;</li> <li>b) The consent holder must provide the Chief Executive, Taranaki Regional Council, with a document from a suitably qualified and experienced person certifying that measuring and recording equipment required by a) (‘the equipment’) has been: <ul style="list-style-type: none"> <li>i. installed and/or maintained in accordance with the manufacturer’s specifications; and/or</li> <li>ii. tested and shown to be operating to an accuracy of <math>\pm 5\%</math>.</li> </ul> </li> </ul>



<b>NUMBER</b>	<b>OFFERED CONDITION</b>
	<p>c) The documentation in 14 b) must be provided:</p> <ul style="list-style-type: none"> <li>i. within one month of the installation of any equipment;</li> <li>ii. at other times when reasonable notice is given and the Chief Executive, Taranaki Regional Council has reasonable evidence that the equipment may not be functioning as required by these consents; and</li> <li>iii. no less frequently than once every five years.</li> </ul> <p>d) The consent holder must record the location and area over which wastewater is irrigated and provide the record to the Chief Executive, Taranaki Regional Council, at the end of each calendar month.</p>
15	<p>There must be no discharge to water as a result of irrigating wastewater to land. To achieve this, practices to ensure there is no discharge to water must include, but not necessarily be limited to, ensuring that:</p> <ul style="list-style-type: none"> <li>(a) no irrigation occurs closer than 10 metres to any surface water body;</li> <li>(b) the discharge does not result in surface ponding that lasts longer than 30 minutes;</li> <li>(c) no spray drift enters surface water;</li> <li>(d) the discharge does not occur at a rate at which it cannot be assimilated by the soil/pasture system; and</li> <li>(e) pasture cover within irrigation areas is maintained at all times.</li> </ul>
16	<p>At all times the irrigation pond shall achieve a Dissolved Oxygen level of 1mg/l or more. To achieve this the consent holder must;</p> <ul style="list-style-type: none"> <li>a) undertake weekly monitoring of the dissolved oxygen levels in the irrigation pond, and;</li> <li>b) retain an aerator on site and have the ability to aerate the irrigation pond whenever dissolved oxygen levels drop to 1.5 mg/l or less.</li> </ul>
17	<p><b>Irrigation Management Plan (IMP)</b></p> <p>To demonstrate compliance with conditions 13 - 15 the Consent Holder must submit to the Chief Executive, Taranaki Regional Council for certification an <b><u>Irrigation Management Plan (IMP)</u></b> within two months of the commencement of this consent. This plan must include, but not be limited to;</p> <ul style="list-style-type: none"> <li>i. Procedures ensuring the ongoing maintenance and management of monitoring equipment on the irrigation pond;</li> </ul>

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	<ul style="list-style-type: none"> <li>ii. Procedures for identifying when/if the equipment is not working correctly;</li> <li>iii. Procedures and protocols for retaining, reviewing and providing records of discharge from the irrigation pond;</li> <li>iv. Procedures to ensure compliance with a)-e) of condition 14 are complied with, including but not limited to timing and rate of application, servicing of irrigation equipment, weather monitoring, monitoring and investigation of soil suitability and the provision and maintenance of bunds;</li> <li>v. How personnel responsible for the system are trained in the procedures required under the IMP;</li> <li>vi. The undertaking of visual inspections of the irrigation areas and recording, documentation and reporting of these inspections;</li> <li>vii. Records of any maintenance or soil enhancement work (i.e. aeration) undertaken on the irrigation areas or the pond discharge monitoring equipment;</li> <li>viii. Details on how the Dissolved Oxygen standard required under condition 15 is maintained and monitored.</li> </ul>
18	<p>Except within a mixing zone extending 30 metres downstream of the Wetland Treatment System discharge (monitoring location HHG000103), the discharges allowed by this consent must not give rise to any of the following effects in the Haehanga Stream or any of its tributaries:</p> <ul style="list-style-type: none"> <li>(a) a rise in carbonaceous biochemical oxygen demand of more than 2.00 gm<sup>-3</sup>;</li> <li>(b) a concentration of unionised ammonia greater than 0.025 gm<sup>-3</sup>;</li> <li>(c) the presence of total recoverable hydrocarbons;</li> <li>(d) a concentration of chloride greater than 150 gm<sup>-3</sup>;</li> <li>(e) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;</li> <li>(f) any conspicuous change in the colour or visual clarity;</li> <li>(g) any emission of objectionable odour;</li> <li>(h) the rendering of fresh water unsuitable for consumption by farm animals; and</li> <li>(i) any significant adverse effects on aquatic life</li> </ul>
19	<p>After 1 June 2026 the discharges allowed by this consent must not give rise to a concentration of:</p> <ul style="list-style-type: none"> <li>(a) ammonia exceeding 0.4 mg/L (annual maximum) or 0.24 mg/L (annual median); or</li> <li>(b) nitrate nitrogen exceeding 3.5 mg/L (annual 95<sup>th</sup> percentile) or 2.4 mg/L (annual median);</li> </ul> <p>in the Haehanga Stream or any of its tributaries.</p>

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20	<p>Within 2 months of the commencement of this consent, the Consent Holder must submit to the Chief Executive, Taranaki Regional Council for certification, an <b>Adaptive Management Plan (AMP)</b> which documents the steps that will be taken to achieve compliance with 18 above within 2 months of commencement of this consent. This plan must be prepared by a suitably qualified person in mitigating and managing the effects of nitrogen toxicity in freshwater. It must document a process that identifies;</p> <ul style="list-style-type: none"> <li>a) Any additional baseline monitoring that is required before commencing with management interventions;</li> <li>b) The management practice(s) that are to be used;</li> <li>c) Monitoring requirements and trigger levels, thresholds and timeframes to demonstrate the management practices that are described in b) are effective;</li> <li>d) Changes to processes and procedures that are to be incorporated into any of the site management plans listed at condition 3, and;</li> <li>e) How the results will be reported to the Chief Executive, Taranaki Regional Council and Ngati Mutunga and the frequency of this reporting.</li> </ul>
<b>Treatment Systems</b>	
21	<p>The Irrigation Pond and the Paunch Maturation Pond must include storage facilities that can contain a volume of wastewater adequate to manage the volume of stormwater and leachate produced, and achieve compliance with the conditions of this consent.</p> <ul style="list-style-type: none"> <li>a) To demonstrate compliance with this condition, the Consent Holder must submit to the Chief Executive, Taranaki Regional Council for certification a <b>Storage Capacity Management Plan (SCMP) for certification</b> within two months of the commencement of this consent. This plan must address, but not necessarily be limited to, the following matters: <ul style="list-style-type: none"> <li>i. how the build-up of sediment and/or sludge will be managed within the pond treatment systems,</li> <li>ii. how the level of build-up will be monitored including factors that will trigger active management, and the frequency of undertaking the identified measures or procedures;</li> <li>iii. how available storage in the Pond Treatment System will be managed to ensure there is capacity during rainfall events.</li> </ul> </li> </ul>
22	<p>The Wetland Treatment System must be managed to ensure that the discharge from the system will achieve compliance with the conditions of this consent.</p> <ul style="list-style-type: none"> <li>a) The discharge from the Wetland Treatment System must meet the following standards (at monitoring site IND003008):</li> </ul>

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	<ul style="list-style-type: none"> <li>i. the suspended solids concentration must not exceed 100 g/m<sup>3</sup>; and</li> <li>ii. the pH must be between 6.0 and 9.0.</li> </ul> <p>b) To demonstrate compliance with this condition, the Consent Holder must submit to the Chief Executive, Taranaki Regional Council a <b>Wetland Management Plan (WMP) for certification</b> within two months of the commencement of this consent. This plan must address, but not necessarily be limited to, the following matters:</p> <ul style="list-style-type: none"> <li>i. How the build-up of sediment and/or sludge will be managed within the wetland,</li> <li>ii. How the level of sediment build-up will be monitored including factors that will trigger active management, and the frequency of undertaking the identified measures or procedures;</li> <li>iii. How plant die-off within the Wetland will be managed, and the frequency and/or timing of undertaking the identified any measures or procedures identified for this management; and</li> <li>iv. How the effectiveness of the Wetland Treatment System in removing Nitrogen is to be demonstrated annually.</li> </ul>																				
<b>Soil Quality</b>																					
23	<p>The discharges must be managed to ensure that no constituent in the soil in any irrigation area exceeds the maximum value shown in the following table:</p> <table border="1" data-bbox="506 906 1429 1359"> <thead> <tr> <th data-bbox="506 906 949 978">Constituent</th> <th data-bbox="949 906 1429 978">Maximum value (mg/kg unless otherwise stated)</th> </tr> </thead> <tbody> <tr> <td data-bbox="506 978 949 1023">Arsenic <sup>1</sup></td> <td data-bbox="949 978 1429 1023">17</td> </tr> <tr> <td data-bbox="506 1023 949 1067">Barium – Barite <sup>2</sup></td> <td data-bbox="949 1023 1429 1067">10,000</td> </tr> <tr> <td data-bbox="506 1067 949 1112">Extractable Barium <sup>2</sup></td> <td data-bbox="949 1067 1429 1112">250</td> </tr> <tr> <td data-bbox="506 1112 949 1157">Cadmium <sup>1</sup></td> <td data-bbox="949 1112 1429 1157">0.8</td> </tr> <tr> <td data-bbox="506 1157 949 1201">Chromium <sup>3</sup></td> <td data-bbox="949 1157 1429 1201">600</td> </tr> <tr> <td data-bbox="506 1201 949 1246">Copper <sup>3</sup></td> <td data-bbox="949 1201 1429 1246">100</td> </tr> <tr> <td data-bbox="506 1246 949 1291">Lead <sup>1</sup></td> <td data-bbox="949 1246 1429 1291">160</td> </tr> <tr> <td data-bbox="506 1291 949 1335">Nickel <sup>3</sup></td> <td data-bbox="949 1291 1429 1335">60</td> </tr> <tr> <td data-bbox="506 1335 949 1359">Mercury</td> <td data-bbox="949 1335 1429 1359">1</td> </tr> </tbody> </table>	Constituent	Maximum value (mg/kg unless otherwise stated)	Arsenic <sup>1</sup>	17	Barium – Barite <sup>2</sup>	10,000	Extractable Barium <sup>2</sup>	250	Cadmium <sup>1</sup>	0.8	Chromium <sup>3</sup>	600	Copper <sup>3</sup>	100	Lead <sup>1</sup>	160	Nickel <sup>3</sup>	60	Mercury	1
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<b>Groundwater Quality</b>																																	
24	The consent holder must maintain all groundwater monitoring wells on site in a condition that enables samples to be obtained and access for monitoring purposes to be achieved.																																
25	<p>The Total Nitrogen discharged to any hectare of land must not exceed:</p> <p>(a) 400 kilograms in any 12-month period for ‘cut and carry areas’; or</p> <p>(b) 200 kilograms in any 12-month period for any other land (including grazed pasture).</p>																																

<b>NUMBER</b>	<b>OFFERED CONDITION</b>								
26	<p>The Consent Holder must submit to the Chief Executive, Taranaki Regional Council a <b><u>Nitrogen and Phosphorous Management Plan (N&amp;PMP)</u></b> for certification within two months of the commencement of this consent. This plan must be prepared by a suitably qualified person<sup>1</sup> and must address, but not necessarily be limited to, the following matters:</p> <ul style="list-style-type: none"> <li>i. How compliance with the limits in condition 25 will be demonstrated to the Taranaki Regional Council;</li> <li>ii. How ‘cut and carry’ operations will be managed around irrigation of effluent;</li> <li>iii. How the volume of material that is cut and carried will be reported to the Taranaki Regional Council and verified, and;</li> <li>iv. How the site is managed to minimise Phosphorous and Nitrogen losses to groundwater.</li> </ul>								
<b>Riparian Planting</b>									
27	<p>The consent holder must undertake (and maintain) fencing and riparian planting for the entire stream length of the streams on the property, in accordance with the Riparian Management Plan for the property (RMP 90383). The additional fencing and/or riparian planting required, must be carried out, as a minimum, in accordance with the following programme:</p> <table border="1" data-bbox="517 772 1478 1043"> <thead> <tr> <th>Length of stream bank to be fenced and/or planted (m) (in addition to that existing on 1 March 2021)</th> <th>Completion date</th> </tr> </thead> <tbody> <tr> <td>At least 1000</td> <td>1 August 2021</td> </tr> <tr> <td>At least 2000</td> <td>1 August 2022</td> </tr> <tr> <td>All remaining</td> <td>1 August 2023</td> </tr> </tbody> </table> <p>For the avoidance of doubt, if the land adjoining the waterway is to be retired and planted in indigenous species, this will constitute riparian planting.</p>	Length of stream bank to be fenced and/or planted (m) (in addition to that existing on 1 March 2021)	Completion date	At least 1000	1 August 2021	At least 2000	1 August 2022	All remaining	1 August 2023
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<b>Dust</b>									

<sup>1</sup> E.g. a Certified Nutrient Management Adviser, or person with an Advanced Sustainable Nutrient Management certificate, or similar qualification.

<b>NUMBER</b>	<b>OFFERED CONDITION</b>
28	<p>The discharges authorised by this consent must not give rise to suspended or deposited dust at or beyond the boundary of the site that is offensive or objectionable. For the purpose of this condition, discharges in excess of the following limits are deemed to be offensive or objectionable:</p> <p style="padding-left: 40px;">(a) dust deposition rate 0.13 g/m<sup>2</sup>/day; and/or  (b) Total suspended particulate concentrations 100 µg/m<sup>3</sup> as a rolling 24 hour average.</p> <p><u>Note:</u> For the purposes of this condition, the consent holder's site is defined as Sec 34 Pt Sec 4 Blk II Upper Waitara SD</p>
<b>Odour</b>	
29	<p>The discharges authorised by this consent must not give rise to an odour at or beyond the boundary of the site that is offensive or objectionable in the opinion of an Officer of the Taranaki Regional Council or other suitably qualified or experienced person authorised on behalf of the Taranaki Regional Person to make this assessment.</p> <p><u>Note:</u> For the purposes of this condition:</p> <ul style="list-style-type: none"> <li>• The consent holder's site is defined as Sec 34 Pt Sec 4 Blk II Upper Waitara SD; and</li> <li>• Assessment under this condition will be in accordance with the Good Practice Guide for Assessing and Managing Odour, Ministry for the environment (2016)</li> </ul>
30	<p>The consent holder must maintain a monitoring device that continuously records wind speed and direction in the area of the composting activity. The data must be provided telemetrically to the Taranaki Regional Council. If this method is not at first technically feasible, the data must be provided to the Taranaki Regional Council at a frequency and a form advised by the Chief Executive, Taranaki Regional Council until such a time it is technically feasible to telemeter the data.</p>
31	<p>The consent holder must undertake monthly monitoring of odour at the boundary of the site. The monitoring shall be</p> <ol style="list-style-type: none"> <li>a) Undertaken during the normal operation of the site including irrigation activities;</li> <li>b) Be undertaken using a methodology agreed in writing with the Taranaki Regional Council;</li> <li>c) Occur when wind speeds are less than 3 metres per second;</li> <li>d) Occur: <ol style="list-style-type: none"> <li>i. At the site entrance</li> <li>ii. at least one location to the north of the site entrance</li> </ol> </li> </ol>

<b>NUMBER</b>	<b>OFFERED CONDITION</b>
	iii. at least one location to the south of the site entrance
32	<p>The Consent Holder must submit to the Chief Executive, Taranaki Regional Council an <b>Odour Management Plan (OMP)</b> for certification within three months of the commencement of this consent. This plan must be prepared by a suitably qualified person and must address, but not necessarily be limited to, the following matters:</p> <ul style="list-style-type: none"> <li>(a) identification of all activities on site which have the potential to generate odour (e.g. turning compost piles, removing sludge from ponds);</li> <li>(b) the conditions and/or time of day when activities identified under (a) above should be undertaken (e.g. during favourable weather conditions and the identification of those conditions) and/or measures that must be implemented to avoid odours arising (e.g. containment measures);</li> <li>(c) how data obtained from onsite monitoring of wind speed and direction is incorporated into daily decisions;</li> <li>(d) how onsite windspeed and direction equipment is calibrated, monitored and maintained to ensure the data is accurate;</li> <li>(e) measures undertaken to minimise odours during receiving and storing material, and throughout the composting and vermiculture processes (e.g. method(s) used to cover material once received, how anaerobic conditions are maintained);</li> <li>(f) measures undertaken to minimise odours arising in the Wetland Treatment System, and identification of the time of year and/or frequency when undertaken;</li> <li>(g) measures undertaken to minimise odours arising in the Irrigation Pond and associated treatment measures and identification of the time of year and/or frequency when undertaken;</li> <li>(h) an assessment of alternate treatments or methods available that could further minimise odour, and the reasons that they have not been adopted;</li> <li>(i) Details of the odour monitoring required under condition 30, including how the results of this monitoring are communicated to Ngati Mutunga, TRC and the wider community, and;</li> <li>(j) How provision is made for Cultural Monitoring associated with odour emissions.</li> </ul> <p>Certification by the Chief Executive, Taranaki Regional Council may include, at the consent holder's cost, a peer review by a suitably qualified and experienced person.</p>
<b>Discharge of existing stockpiled waste</b>	
33	a) The existing stockpiled waste material must be remediated on site to achieve the standards shown in the table below, within three years of commencement of this consent.



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34	Any existing stockpiled waste material that is certified by the Chief Executive, Taranaki Regional Council as compliant with condition 33 a) may be discharged to land onsite as a soil conditioner, subject to the following conditions.				

<b>NUMBER</b>	<b>OFFERED CONDITION</b>
	<ul style="list-style-type: none"> <li>a) The discharge of stockpiled material to land for use as a ‘soil conditioner’ must not occur within 10 metres of any surface water.</li> <li>b) The consent holder must the Chief Executive, Taranaki Regional Council with the following information: <ul style="list-style-type: none"> <li>i. The volume of material to be discharged;</li> <li>ii. a map or aerial image identifying the specific area where the discharge is to occur;</li> <li>iii. a calculation of the Nitrogen loading of the discharge proposal;</li> </ul> </li> <li>c) the Chief Executive, Taranaki Regional Council, having assessed the information provided advises that the discharge may occur.</li> </ul>
<b>Environmental Monitoring Plan</b>	
35	<p>Within 3 months of the commencement date of this consent, the consent holder must ensure an <b><u>Environmental Monitoring Plan (EMP)</u></b> is prepared. The purpose of the EMP is to identify the techniques, methodologies and procedures that will be employed to acquire data in relation to, and to monitor compliance with the conditions of this consent, and the effects of the discharges authorised by this consent. The plan must include at least the following:</p> <ul style="list-style-type: none"> <li>(a) provision for site inspections to be undertaken at least once every week;</li> <li>(b) installation of an in-situ water quality monitoring sonde to measure real-time water quality of the Haehanga Stream at a point agreed to with the Chief Executive, Taranaki Regional Council;</li> <li>(c) camera surveillance of the site with images transmitted to the Council in real time;</li> <li>(d) requirements for sampling and testing to ensure compliance with the conditions of this consent;</li> <li>(e) groundwater sampling and testing to determine the risk that groundwater quality may present for surface water; and</li> <li>(f) annual reports that record the information that has been collected in accordance with the consent conditions and compliance with those conditions.</li> <li>(g) Provision for cultural monitoring and reporting and assessment against cultural health indicators;</li> <li>(h) Monitoring for e-coli, and;</li> <li>(i) Herbage testing of cut and carry crops taken from the irrigation areas.</li> </ul>

<b>NUMBER</b>	<b>OFFERED CONDITION</b>
	<p>(j) Contracted cultural monitoring by Ngati Mutunga including to monitor progress in achieving iwi management plans and Te Rūnanga o Ngāti Mutunga &amp; Te Wai Māori Trust: Mauri Compass Assessment</p> <p><u>Note:</u> The Taranaki Regional Council assumes responsibility for the preparation and implementation of the Monitoring Plan for annual compliance purposes, however RNZ representatives must also be involved in preparation of this document and representatives of Ngati Mutunga may also be invited to assist in development of the EMP.</p>
<b>Contingency Plan</b>	
36	<p>Within 2 months of the commencement date of this consent, the consent holder must provide a <b><u>Site Contingency Plan (SCP)</u></b> to the Chief Executive, Taranaki Regional Council for certification.</p> <p>The purpose of the SCP is to detail the measures and procedures that will be undertaken to prevent and remedy any environmental effects from a breach, spillage or any discharge of contaminants not authorised by this consent. The plan must include at least the following:</p> <ul style="list-style-type: none"> <li>(a) A risk assessment process that identifies all potential sources of breaches/unauthorised discharges and assesses the risk associated with each source;</li> <li>(b) How the consent holder will prevent and remedy any environmental effects from a breach, spillage or any unauthorised discharge of contaminants;</li> <li>(c) Steps the consent holder will take to notify affected parties (including downstream users of surface water) and keep these parties informed as to the status of the breach;</li> <li>(d) Steps the consent holder will take to notify Ngati Mutunga</li> <li>(e) Monitoring that will be undertaken to demonstrate the breach has been remediated, including any cultural monitoring requested by Ngati Mutunga.</li> </ul>
37	<p><b><u>Complaints Hotline</u></b></p> <p>Within 2 months of the commencement of this consent the consent holder must provide details of a 24 hour complaints hotline to all landowners and occupiers within 3km of the site, and to Ngati Mutunga, and maintain a complaints register, which includes:</p> <ul style="list-style-type: none"> <li>a) Date, time location and nature and details of the complaint;</li> <li>b) Details of the complainant - neighbour, Tangata Whenua, member of the public, Regional Council, and contact details if these are provided;</li> </ul>

<b>NUMBER</b>	<b>OFFERED CONDITION</b>
	<ul style="list-style-type: none"> <li>c) Steps taken to respond to and address the complaint;</li> <li>d) How the results of the steps taken as a result of the complaint are communicated to the complainant.</li> <li>e) Any changes to site management that are made as a result of a specific complaint or series of complaints.</li> </ul> <p>The complaints register must be made available to the Taranaki Regional Council, on request.</p>
<b>Site Reinstatement</b>	
38	<p>Within 3 months of the commencement of this consent, the Consent Holder must submit to the Chief Executive, Taranaki Regional Council for certification, a <b>Site Exit Plan (SEP)</b> which details how the site is going to be reinstated at the end of its life. This plan must be prepared by a suitably qualified person who must be approved by the Chief Executive, Taranaki Regional Council in writing prior to the preparation of the SEP. A bond is required under condition 39, in relation to performance of the SEP.</p> <p>The SEP must address, but is not necessarily limited to, the following matters:</p> <ul style="list-style-type: none"> <li>(a) how the site will be reinstated so that no raw materials listed or approved under conditions 3 or 4 of this consent remain on site after the consent expires;</li> <li>(b) how the site will be reinstated so that no partially decomposed material remains on site after the consents expire;</li> <li>(c) how all stockpiled waste will be removed and appropriately disposed of;</li> <li>(d) how any remaining leachate or sludge, resulting from the operation, will be either removed from the site, buried, treated or otherwise to avoid any adverse effects on groundwater or surface water;</li> <li>(e) how irrigated soils and groundwater will be remediated;</li> <li>(f) timeframes for undertaking the activities identified in association with (a) to (e) above;</li> <li>(g) estimates of costs of reinstating the site;</li> <li>(h) a recommended initial bond quantum. Note: this recommendation is not final, and is subject to the process set out at condition 39 (d)(i) – (iii) below; and</li> <li>(i) How the SEP responds to concerns raised by Ngati Mutunga</li> </ul> <p>The consent holder must implement the approved SEP upon expiry of this consent.</p>
39	<p>Within 6 months of the commencement date of this consent, the consent holder must enter into an enforceable written agreement (bond agreement) to provide and maintain in favour of the Taranaki Regional Council, a cash bond or bank bond</p>

<b>NUMBER</b>	<b>OFFERED CONDITION</b>
	<p data-bbox="387 233 1868 300">pursuant to sections 108(2)(b) and 108A of the Resource Management Act, on terms and conditions satisfactory to the Taranaki Regional Council in all respects.</p> <p data-bbox="501 341 1084 373">The following terms apply in respect of the bond:</p> <ul style="list-style-type: none"> <li data-bbox="501 411 1778 478">(a) the bond quantum must be sufficient to ensure compliance with condition 38 above in the event of any default by the consent holder;</li> <li data-bbox="501 491 1845 558">(b) any bank bond must be in a form used by a bank registered to conduct business in New Zealand and approved by the Taranaki Regional Council;</li> <li data-bbox="501 571 1845 711">(c) the bond agreement must include the terms and conditions on which the bond will be established, maintained, changed, transferred or surrendered. In the event of the Taranaki Regional Council not agreeing with the consent holder on the terms of the bond agreement, then the dispute must be resolved through an agreed disputes resolution process or referred to arbitration;</li> <li data-bbox="501 724 1868 1050">(d) the initial bond quantum must be determined as follows: <ul style="list-style-type: none"> <li data-bbox="555 756 1868 858">(i) Upon preparing the SEP, and in accordance with condition 38(g) and (h) above, a suitably qualified and experienced person (approved by the Chief Executive of the Taranaki Regional Council) who has been engaged by the consent holder must make a recommendation as to the initial bond quantum;</li> <li data-bbox="555 871 1868 938">(ii) The Taranaki Regional Council will then engage a suitably qualified and experienced person to peer review the bond quantum recommended under condition 38(h); and</li> <li data-bbox="555 951 1868 1050">(iii) In the event of the consent holder and the Taranaki Regional Council not reaching an agreement on the initial bond quantum, it must be assessed by an independent bond assessor appointed by the Taranaki Regional Council, and the decision of that person will be final and binding.</li> </ul> </li> <li data-bbox="501 1062 1868 1241">(e) the bond quantum may be reviewed and reassessed every two years from the date the initial bond quantum is lodged until a date two years after the date on which this consent has been given effect to. The purpose of the adjustment is to reflect changes in the risk profile of the activity at the site. After that, the bond quantum may be reviewed and reassessed by the consent holder and the Taranaki Regional Council at five yearly intervals for the duration of this consent. The method of review must follow the same procedure set out in condition 39(d) above.</li> <li data-bbox="501 1270 1868 1369">(f) the bond terms and quantum may also be varied or cancelled or renewed at any other time by agreement between the consent holder and the Taranaki Regional Council using the methodology described in condition 39(d);if at any time the amount of the bond is varied under conditions 39(e) or 39(f), then the consent holder must, within</li> </ul>

<b>NUMBER</b>	<b>OFFERED CONDITION</b>
	<p>five (5) working days of the replacement bond agreement being executed, put in place a new bond for the varied amount or the additional amount required in excess of the existing bond;</p> <p>(g) if the consent is transferred to another party or person, the bond lodged by the transferor must be retained by the Taranaki Regional Council until a replacement bond is entered into by the transferee to ensure compliance with conditions of the consents unless condition 38 has already been complied with;</p> <p>(h) at all times the consent holder must comply with the terms of the bond or varied bond;</p> <p>(i) the consent holder must reimburse the Taranaki Regional Council for all reasonable costs incurred in developing the bond agreement and any subsequent reviews or reassessments;</p> <p>(j) for the avoidance of doubt, the bond agreement may provide for the bond to be held after the expiry of this consent if the SEP is not given effect to and condition 38 not complied with.</p>
<b>Community Liaison</b>	
40	<p>The consent holder shall hold community meetings every 3 months or at other such interval as parties may agree. Requirements for these meetings are as follows;</p> <p>i. All parties who submitted against applications for consent shall be invited to attend the meetings, and the invitation must be extended to all households, businesses, schools and other community facilities within a 3km radius of the site.</p> <p>ii. Notice of the meetings must be provided at least one month prior to the meeting date;</p> <p>iii. the meetings must be held at a convenient location to the community.</p> <p>iv. The meetings must be chaired by the Consent Holder, and minutes must be kept and circulated.</p> <p>v. Minutes must include a log of any concerns or suggestions made by the community, and document any agreed actions including timeframes.</p>
<b>Review</b>	
41	<p>In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June each year, for any of the following purposes:</p> <p>(a) ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time; or</p> <p>(b) setting of specific groundwater quality standards if testing indicates that it is reasonably required to avoid</p>

<b><i>NUMBER</i></b>	<b><i>OFFERED CONDITION</i></b>
	adverse effects on surface water.



Appendix 1 of consents 5838-3.0 and 5839-3.0:

Figure 1: Identification of operational components



