

Conditions of Consent

<p align="center">SCHEDULE 1 - General Conditions <u>which shall apply to all of the following consents for:</u> HDC - RC020069 and CRC021906, CRC021911, CRC021912, CRC021913, CRC021914, CRC021915, CRC021916, CRC021917, CRC021918, CRC021919, CRC021920, CRC021921, CRC021922, CRC021923, CRC021924, CRC021925, CRC021926, CRC021927, CRC021929, CRC021930, CRC021931, and CRC022020</p>	
1	<p>All works shall be undertaken generally in accordance with the following documents (where applicable), except where amendments are required by conditions of these consents, ed by conditions of consents. Where there is in the event of differences or conflict may be differences or apparent conflict between the measures described in the documents, <u>and the conditions</u>, the conditions shall prevail:</p> <ul style="list-style-type: none"> Transwaste Canterbury Ltd, Kate Valley Regional Landfill Resource Consent Applications dated April 2002, and Drawings contained within the Assessment of Effects on the Environment; except as amended within the evidence given by witnesses for Transwaste Canterbury Ltd during the hearing of the resource consent applications, <u>or except to the extent required as a result of the Special Conditions attaching to these consents (Annexure 1 to the decision).</u> <p>The site is defined on Figure 1.3 of the Drawings.</p>
2	Detailed designs of all works shall be forwarded to the Hurunui District Council and the Canterbury Regional Council prior to works commencing.
3	All investigations, design, supervision of construction, operation, monitoring and aftercare shall be undertaken by a Registered Engineer experienced in such works, or works of a similar nature.
4	<p>As-built drawings shall be forwarded to Hurunui District Council and Canterbury Regional Council following completion of principal works and structures, which shall include the sedimentation dam, water storage dam, toe bund, leachate collection system, landfill gas system, landfill access road, and landfill cells. These drawings shall include:</p> <ul style="list-style-type: none"> 0.25 metre contours for the liner base; final elevations of the HDPE liner prior to placement of the leachate drainage layer sufficient to monitor future movement of the base; and spot levels to plus or minus 10 millimetres at leachate collection sump locations. <p>They shall also include copies of field records showing details of the exposed ground surface prior to liner placement, including a record of any sub-liner ground improvements undertaken.</p>
5	A certificate signed by the person or persons responsible for designing the principal works and structures of the landfill or a competent person shall be submitted to the Hurunui District Council and the Canterbury Regional Council within one month of completion of the principal works and structures associated with the landfill to certify that the works were carried out in accordance with the design plans submitted, as required by Conditions <u>1 and 4</u> of this Schedule.
6	<p>(a) The Landfill Management Plan shall be in accordance with Conditions 7, 8 and 9 of this Schedule.</p> <p>(b) The Landfill Management Plan shall be reviewed by the Peer Review Panel established by Condition 11 of this Schedule.</p> <p>(c) At least three months prior to landfilling activity commencing a Landfill Management Plan shall be forwarded to the Canterbury Regional Council and Hurunui District Council.</p>
7	<p>The LMP shall provide details of the procedures to be put into place to operate the Landfill in compliance with conditions of these consents and to minimise the potential for adverse effects due to the operation of the Landfill. In addition, environmental objectives or outcomes for the performance of the components of the landfill operation shall include:</p> <p>a) Management:</p> <p>LMP Objectives:</p> <ul style="list-style-type: none"> To operate in full compliance with the resource consent requirements and demonstrate this through reporting procedures to Consent Authorities. To liaise closely with neighbours and the local community, including Iwi representatives, regarding Landfill operations issues. To ensure that no adverse effects on the environment occur from site operations. To provide a safe working environment for people on the site. To efficiently and economically utilise the site's capacity. To maintain an independent review process for the design, construction, operation and aftercare of the landfill to assess whether the work is undertaken by appropriately qualified personnel in accordance with good practice. <ul style="list-style-type: none"> Land ownership <ul style="list-style-type: none"> Objective: <ul style="list-style-type: none"> To retain ownership of the Kate Valley catchment by Transwaste Canterbury Ltd for the operating life of the landfill and aftercare period.

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- Operational responsibilities
- The management structure
- Staffing including the use of contractors
- Training of staff
 - Objectives:
 - To safeguard the health and safety of people on the site.
 - To ensure compliance with regulations and resource consent conditions.
 - To ensure familiarity with emergency procedures.
 - To ensure familiarity with accidental discovery protocols.
 - To maximise the efficiency and quality of landfill operations.
 - To prevent the disposal of hazardous waste.
 - To facilitate accurate record keeping.
- Health and safety procedures
 - Objective:
 - To ensure all site personnel are fully aware of the content and obligations in the Health and Safety Plan.
- Community involvement including details of complaints procedures
 - Objectives:
 - To be a good neighbour.
 - To encourage and facilitate public feedback.
 - To facilitate effective communication with the local community through the Community Liaison Group.
 - To abide by the provisions of the Charter of Understanding between Transwaste Canterbury Ltd, Te Runanga o Ngai Tahu and Te Runanga o Ngai Tuahuriri.

b)

Design and Construction:

Design and Construction Objectives:

- To achieve equivalent performance with USEPA Subtitle D (in respect of the liner) and the CAE Landfill Guidelines criteria, in order to provide a landfill where all components are essentially “state-of-the-art” for New Zealand, directly comparable with systems that would be required for a similar landfill in Australia or the USA.
- To use Quality Assurance and Quality Control Procedures in accordance with Section 4 of the CAE Guidelines 2000.
- To ensure that the risks of excessive liner hydration, slope failure and dam failure are minimised and that the measure required by special conditions 1-5 are addressed.
- To optimise leachate containment through adoption of a very high performance liner.
- To provide a robust, effective leachate drainage system with ready access for cleaning and rehabilitation.
- To control stormwater and moisture ingress into the landfill such that the site is able to be operated so as to provide effective waste stabilization, while avoiding excessive leachate generation.
- To provide for active LFG extraction at an early stage, and throughout the active and post-closure phases.
- To use incineration of LFG in an approved flare (with the potential for energy conversion for electricity generation, or other appropriate uses such as for leachate volume reduction).
- To utilise an advanced cover system to ensure effective site rehabilitation, while minimizing long term leachate generation.
- To limit face access, thus enabling the size of the active area to be minimised.
- To minimise stockpiling, both within and outside the footprint.
- To enable comprehensive stormwater and silt control, with all catchment runoff routed via one sedimentation pond situated in the main valley.
- To facilitate gravity drainage of leachate from the landfill.
- To maximise flexibility to cater for variations in airspace demand.
- To enable early closure scenarios to be readily provided for.
- To provide good wind shelter to initial phases.
- To configure slopes and benches so that the synthetic liner components can be readily installed.

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- To ensure the basegrade slopes are stable for both the construction and long term cases.
- To comply with all conditions of these consents.
- Site access
 - Objectives:
 - To ensure only vehicles that are covered by a Waste Cartage Contract have access to the landfill.
 - To manage waste vehicle landfill arrival timing to minimise peaks in off-site and on-site traffic.
 - To manage waste vehicle landfill arrival timing to maximise the time gaps between landfill-related heavy vehicles on Mt Cass Road and State Highway 1.
 - ~~To ensure all waste and leachate cartage operators have current incident contingency plans.~~
 - To ensure no unauthorised access to the landfill.
 - To ensure that vehicle movements remain within approved limits.
 - To ensure that all waste being transported to the landfill is securely contained in a manner that prevents the escape of liquid or solid material from the vehicle, either in motion or at rest.
 - Waste haul vehicles accessing the site shall comply with the following standards:
 - Euro III Vehicle Emission Standard EU Directive 1999/96/EC
 - European Truck Noise Standard EU Directive 96/20/EC
 - To ensure that all landfill users have a current Landfill Users Contract.
 - To ensure that all landfill users are fully aware of the Waste Acceptance Protocol.
 - To provide safe intersections.
 - To minimise road maintenance requirements.
 - To minimise effects of road upgrading on the environment.
- Fencing and security
 - Objectives:
 - To ensure no stock can get onto the landfill site.
 - To fully control access to the landfill working areas.
 - To ensure that only authorised persons access operational areas.
- Earthworks
- Liner construction
 - Objectives:
 - To contain leachate and LFG generated within the landfill and limit their migration into the underlying soil and groundwater.
 - To provide attenuation of chemicals within the liner layers.
 - To ensure liner design is consistent with the objectives set out in Section 4.7 of the CAE Landfill Guidelines (2000), and is consistent with meeting USEPA Subtitle D design requirements.
 - To minimise opportunities for liner hydration
- Stormwater and silt control
 - Objectives:
 - To divert as much stormwater as possible away from the active face of landfill so that operational leachate volumes are minimised.
 - To design stormwater systems so as to minimise liner hydration
 - To provide effective drainage of the final surface of the landfill so that scour of the cap is prevented and long term seepage into the landfill is minimised.
 - To keep all stormwater runoff from landfill activities within the Kate Valley catchment, to maximise runoff available for water supply storage, and ensure environmental impacts on surrounding catchments are minimised.
 - To control silt runoff from the site so that silt discharges below the water supply dam are not greater than those currently occurring naturally.
 - To detain flows from runoff so that deposition of transported sediment can occur through settlement.
 - To minimise disturbed earthworks areas.
- Leachate collection and treatment

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	<p>Objectives:</p> <ul style="list-style-type: none"> ○ To have no liner penetrations. ○ To ensure the average leachate head on the liner does not exceed 300 mm. ○ To ensure all main leachate collector drains and sumps are readily accessible for cleaning and flushing. ○ To maximise gravity flow. ○ To ensure leachate storage tanks are contained within a bunded area with 25% more holding capacity than the tanks. ○ To ensure that the removal of leachate from site for treatment is undertaken safely in accordance with the Code of Practice for Hazardous and Liquid Waste. ○ To ensure continued compliance with requirements of the CCC Trade Waste Permit. <ul style="list-style-type: none"> ● Landfill gas collection and treatment <ul style="list-style-type: none"> Objectives: ○ To control odours so that there will<u>shall</u> be no odour or particulate matter that causes an objectionable effect beyond the boundary of the land owned by the Consent Holder, or land over which the Consent Holder has rights. ○ To ensure maintenance of methane concentrations at monitoring probes located at the property boundary below the lower explosive limit (LEL), which corresponds to 5 percent methane by volume. ○ To ensure maintenance of methane concentrations in on-site structures at or below 25 percent of the LEL, or 1.25 percent by volume. ○ To provide for the treatment of recovered landfill gas by combustion. ○ To ensure that surface emission concentrations above the areas of the landfill surface that are closed or are under intermediate cover, are maintained at less than 5,000 ppm as methane. ● Onsite roading <ul style="list-style-type: none"> Objectives: ○ To provide maintenance and service access to the landfill and surface drains. ● Site amenities and infrastructure including water and power reticulation <ul style="list-style-type: none"> Objectives: ○ To ensure continued provision of potable water from Pump Creek. ○ To ensure sufficient water is available in the water storage dam for all landfill operational and construction requirements. ○ To maintain the required minimum flows in Kate Creek. ○ To ensure adequate water storage for fire-fighting. ○ To ensure all fuelling is undertaken in designated areas. ○ To ensure all fuelling and chemical storage areas are suitably bunded. ○ To ensure equipment is parked overnight or long term in designated areas. ● Restoration and landscaping <ul style="list-style-type: none"> Objectives: ○ To rehabilitate disturbed areas. ○ To provide for the conservation and enhancement of native vegetation communities and wetlands in the middle and lower Kate Valley. ○ To provide practical and sustainable screening of landfill operations. ○ To provide wind shelter and assist with litter control. ○ To provide erosion control. <p>c) Operation:</p> <ul style="list-style-type: none"> ● Management of site users including traffic management <ul style="list-style-type: none"> Objectives: ○ To manage landfill traffic to provide a safe working environment for all people on site. ○ To maximise efficiency of container transfer. ○ To minimise waste cartage vehicle turnaround time. ○ To minimise waste container turnaround time. ● Waste Acceptance Criteria and procedures
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	<p>Objectives:</p> <ul style="list-style-type: none">○ To ensure the receiving environment is protected.○ To ensure the health and safety of people is protected.○ To ensure all waste received is compatible with the landfilling operation.○ To ensure all waste landfilled complies with the "Waste Acceptance Criteria", set out in consent CRC021913.○ To ensure that the composition of all special waste is identified.○ To ensure that all special waste disposal is pre-booked.○ To ensure that appropriate provisions for disposal of each special waste load are in place before the waste arrives at the landfill.○ To provide a suitably protected and controlled location for temporary storage of inadvertent hazardous or otherwise unacceptable waste. <ul style="list-style-type: none">● Placing of refuse and daily cover<ul style="list-style-type: none">Objectives:○ To achieve a minimum in-situ refuse density of 850 kg per cubic metre, inclusive of temporary and intermediate cover.○ To ensure no compaction equipment operates closer than 1 m to the landfill liner protection layer.○ To maintain a working face that is as small as possible.○ To cover all refuse daily.○ To ensure no special waste is placed within 3 m of the base or sidewall liners.○ To record the location of special waste by survey.○ To ensure that disposal of odorous loads only takes place when the following measures are in place:<ul style="list-style-type: none">● Odour masking chemicals are available● An appropriately sized pit is available● Meteorological conditions are suitable● Equipment is available to immediately cover the waste● Leachate management● Landfill gas management● Nuisance control<ul style="list-style-type: none">Objectives :Litter<ul style="list-style-type: none">○ To avoid wind-blown litter outside the site boundaries.○ To ensure litter does not accumulate on screens and litter fences.○ To maintain a clean and tidy site.Objectives :Odour<ul style="list-style-type: none">○ To ensure effective daily cover of at least 150 mm of soil or equivalent alternative material.○ To keep the working face as small as practicable.○ To ensure effective intermediate cover of at least 300 mm thickness.○ To avoid excavation into old areas of refuse as far as practicable.○ To minimise water ingress to the working face.○ To achieve early and progressive installation and extraction from the LFG system in the active landfill areas.○ To avoid having gas wells unconnected to the extraction system.○ To ensure provision for standby power to avoid flare outages.Objectives :Dust<ul style="list-style-type: none">○ To minimise the extent of unvegetated areas.○ To enforce vehicle speed limits on site.○ To ensure sealed road surfaces are regularly swept.○ To keep unsealed road surfaces and working areas moist where potential for dust emissions outside the site boundary exists.Objectives :Noise<ul style="list-style-type: none">○ To operate the landfill within the site boundary noise limits.
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	<ul style="list-style-type: none"> ○ To ensure all site machinery is well-maintained ○ To maintain an operative Noise Management Plan detailing mitigation measures if noise complaints are received. ○ Objectives: Fire ○ To ensure that adequate fire control equipment is present on site and operable at all times, for all fires, including landfill fires. ○ To maintain an operative Fire Plan in conjunction with the Ashley Rural Fire Committee ● Site security <ul style="list-style-type: none"> ○ Objective: ○ To control access to the site at all times. ● Facilities maintenance including weed and pest management <ul style="list-style-type: none"> ○ Objectives: ○ To liaise with neighbours over weed and pest management strategies. ○ To avoid the establishment of vermin, insect and bird populations through effective management of the refuse disposal process and area. ● Incident Contingency Plans for transportation of waste and leachate <ul style="list-style-type: none"> ○ Objective: ○ To ensure that all waste and leachate transporters have current incident contingency plans meeting the Ministry for the Environment Code of Practice for the Transport of Hazardous and Liquid Waste <u>and are consistent with the Transport Contingency Plan as required in condition 32 of this consent.</u> <p>d) Maintenance of:</p> <ul style="list-style-type: none"> ● Leachate collection system ● Landfill gas collection system ● Leachate storage tanks <p>e) Monitoring and Contingency with respect to surface water, groundwater, leachate, landfill gas, and nuisance:</p> <ul style="list-style-type: none"> ● Monitoring locations ● Monitoring parameters ● Monitoring frequency ● Detection limits ● Reporting ● Trigger levels (for each monitoring location) for implementing contingency/remedial actions ● Proposed contingency measures <ul style="list-style-type: none"> ○ Objectives: ○ To ensure that potential contaminants are retained within the Landfill site. ○ To ensure that injury to people is avoided or minimised. ○ To ensure that damage to property is minimised. <p>f) Aftercare:</p> <ul style="list-style-type: none"> ● The final landform and landuse ● Capping and revegetation <ul style="list-style-type: none"> ○ Objectives: ○ To minimise ingress of rainwater into the landfill. ○ To minimise erosion and cracking of the cap through design, planting and maintenance. ● Weed and pest management ● Operation and maintenance of leachate management systems ● Operation and maintenance of landfill gas management systems ● Ongoing monitoring, including groundwater, surface water, landfill gas and site capping ● Responsibilities for aftercare <ul style="list-style-type: none"> ○ Objectives: ○ To ensure that sufficient funds are collected and managed over the operating life of the landfill to provide a long term funding source for aftercare costs.
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8	The Consent Holder, by 1 October of each year, shall complete a review of the Landfill Management Plan to ensure that management practices result in compliance with the conditions of these consents. Any proposed revisions shall be reviewed by the Peer Review Panel, and then forwarded to Canterbury Regional Council and Hurunui District Council.
9	Landfill operations <u>will/shall</u> at all times be in accordance with the current provisions of the LMP.
10	<p>The Consent Holder shall retain an appropriately experienced person to supervise the operation of the Landfill. That person shall compile an annual report on the operation of the Landfill, including:</p> <ul style="list-style-type: none"> (i) the status of landfilling operations on the site and work completed during the preceding year; (ii) any difficulties which have arisen in the preceding year and measures taken to address those difficulties; and (iii) activities proposed for the next year of the Landfill operation. (iv) collated summaries and analyses of all monitoring and other data required under these consents, including in particular all information relating to <u>groundwater, surface water, odour, dust, litter and noise.</u> (v) <u>Outlining any short or long-term adverse effects that are likely based on monitoring results obtained and on any Peer Review reports or reports prepared in accordance with Special Conditions 1- 5.</u> <p>This report shall be forwarded to Hurunui District Council and Canterbury Regional Council by 1 October each year, unless otherwise agreed in writing with Hurunui District Council and Canterbury Regional Council.</p>
11	<p>The Consent Holder shall establish, at its own cost, an Independent Peer Review Panel, to review the design, construction, operation and after-care of the Landfill and to assess whether or not the work is undertaken by appropriately qualified personnel in accordance with good practice.</p> <p>The Independent Peer Review Panel shall comprise at least two persons who shall be:</p> <ul style="list-style-type: none"> • independent of the Consent Holder • experience in landfill design, construction and management • experience in landfill geotechnical, groundwater and surface water aspects • recognised by their peers as having such experience, knowledge and skill • approved in writing by Hurunui District Council and Canterbury Regional Council.
12	<p>The Independent Peer Review Panel shall prepare an annual report for the Consent Holder on the adequacy of the following matters:</p> <ul style="list-style-type: none"> • management and monitoring plans • site preparation, including hydrogeological and geotechnical issues • liner design and construction and use of on-site materials • water control, including stormwater and leachate management • compaction, including method and degree • waste acceptance • cover material used • monitoring, modelling and records • rehabilitation. <p><u>The Peer Review Panel shall take into account the matters covered by Special conditions 1 –5 (inclusive) in Annexure 1 and address any issues arising.</u></p>
13	<u>The Peer Review Panel's report shall alert the consent holder to any hazards, risks or any actual or potential adverse environmental effects, which have been identified by the Peer Review Panel or which the Panel considers may be affected by any management or design changes carried out by the consent holder or recommended in its report. In particular it shall address the issues covered by Special Conditions 1-5</u>
13A	Where the Independent Peer Review Panel does not have the expertise in any of the areas it is required to report on, as detailed above, it may, with the agreement of the Consent Holder and Canterbury Regional Council, engage the services of an appropriate expert to report on the relevant matter to the Independent Peer Review Panel. The report shall form part of the review provided by the Independent Peer Review Panel as required by this condition. Copies of all reports shall be sent to the Consent Holder, Hurunui District Council and Canterbury Regional Council <u>by 1 October each year.</u>
14	(a) Prior to the placement of refuse the Consent Holder shall provide and maintain in favour of Hurunui District Council and Canterbury Regional Council (for this clause called the Councils) for their respective interests, a financial assurance (bond) which, in the event of default by the Consent Holder, would:

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	<ul style="list-style-type: none">• Secure compliance with all the conditions of these consents and enable any adverse effects on the environment resulting from the Consent Holder's activities, and not authorised by a resource consent to be avoided, remedied or mitigated (Remedial action);• Secure the completion of rehabilitation and closure in accordance with the approved Aftercare section of the Landfill Management Plan (Closure);• Ensure the performance of any monitoring obligations of the Consent Holder under this consent, as well as any site aftercare obligations such as care of the landfill cap and pollution prevention infrastructure (Aftercare);• Provide for reconstruction of the landfill landform in the event of a mass movement• Provide for early closure costs in the event of abandonment of the site <p>(b) The amount (quantum) of the bond may vary from time to time but at any given time shall be sufficient to cover the estimated cost at that time (including any contingency) of:</p> <p>i) Remediation of any adverse effect on the environment that may arise from the site. The estimated costs shall be determined by the Consent Holder by means of a quantitative risk assessment to ensure that the 90 percent confidence limit on remedial action costs is provided. An experienced environmental risk assessment practitioner shall conduct such a risk assessment. The Consent Holders environmental risk assessment practitioner shall be approved by the Councils and the method of conducting the risk assessment shall be made clear to the Councils, including all assumptions drawn to conduct the assessment. The risk assessment shall include (but not be limited to) the factors listed below, the likelihood of any of these events occurring and the likely remedial costs:</p> <ul style="list-style-type: none">• Excessive hydration of the landfill liner;• Excessive leachate seepage through liner;• Failure of leachate collection system• Escape of leachate from leachate dam;• Surface water contamination within or beyond the boundary of the premises;• Groundwater contamination within or beyond the boundary of the premises (except where the contamination is within a designated attenuation zone)• Illegal dumping of hazardous and/or inappropriate waste;• Instability of landfill batters;• Underground migration of landfill gas;• Significant and ongoing odour problems;• Failure of gas extraction system;• Landfill fires;• Erosion of landfill cap;• Failure of any of the dams;• Slipping/mass failure of the landfill mass;• Gross pollution of the adjoining ocean environment, and.• Failure to establish and or maintain vegetation cover on cap <p>ii) Rehabilitation and closure of the site in accordance with the conditions of the consents. These works willshall include:</p> <ul style="list-style-type: none">• Capping and re-vegetation in accordance with the details of the Landfill Management Plan;• Installation of gas and leachate collection infrastructure where it is not installed progressively throughout the life of the landfill; and• Decommissioning of infrastructure no longer required. <p>The cost estimate must provide for the rehabilitation of the largest area of the landfill that may be open (filled and uncapped) at any stage. In the event that capping materials are required to be imported to the site, the Consent holder shall allow for the cost of importation to be included in the estimate of costs.</p> <p>iii) Monitoring and management of the site and its effects both before and after closure or abandonment of the site. In this context, closure shall mean completion of capping of the final landfill cell. The bond shall provide for the total area of landfill filled at a given time. The estimation of the bond for site monitoring and management costs shall consider (but not be limited to) the following aspects:</p> <ul style="list-style-type: none">• Inspection of landfill cap and landfill infrastructure including leachate collection system;
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	<ul style="list-style-type: none"> • Repair of landfill cap and infrastructure; • Landscape maintenance of vegetated landfill cap; • Leachate and stormwater treatment and/or disposal; • Decommissioning of leachate storage ponds; • Maintenance of groundwater bores and gas collection wells • Ongoing extraction and management or usage of landfill gas; and • Monitoring program for: <ul style="list-style-type: none"> ○ Groundwater; ○ Surface water; ○ Leachate; and ○ Landfill gas.
15	The Consent Holders bond shall be in a form agreed between the Consent Holder and the Councils and shall, subject to these conditions, be on terms and conditions agreed between them.
16	Unless the bond is a cash bond, a guarantor acceptable to the Councils shall guarantee the performance of all of the conditions of the bond. The guarantor shall bind itself to pay for the carrying out and completion of any condition of the bond in the event of the Consent holder defaulting on its environmental obligations with respect to the landfill facility as assessed by the Councils.
17	The Consent holders bond shall name the Councils as the party able to draw on the bond. The bond shall be available to the Councils regardless of whether it is required as a result of any deliberate or inadvertent act of the Consent holder or its agents.
18	The amount of the bond shall be initially set on the basis of cost estimates established by means of a risk assessment prepared by the Consent holder, which shall be submitted to the Councils for review and approval prior to the commencement of placement of refuse at the site. The amount of the bond must cover costs associated with three operational aspects, as indicated in Condition 14 above:
19	Should the Consent Holder and the Councils be unable to reach mutual agreement on the form, terms and conditions, or amount of the bond, then the matter shall be referred to arbitration in accordance with the provisions of the Arbitration Act 1996. Arbitration shall be commenced on advice by either party that the amount of the bond is disputed, such notice to be given within 14 days of receipt by the Councils of the amount of the bond established by the Consent Holder. If the parties cannot agree upon an arbitrator within 7 days of receiving advice that the amount of the bond is in dispute, then an arbitrator shall be appointed by the President of the Institute of Professional Engineers of New Zealand (IPENZ). Such arbitrator shall give an award in writing within 30 days after his/her appointment, unless both parties mutually agree that time shall be extended. The parties shall bear their own costs in connection with arbitration. In all other respects, the provisions of the Arbitration Act 1996 shall apply.
20	If the decision of the arbitrator is not made available by the 30 th day referred to above, then the amount of the bond shall be fixed by the Councils, until such time as the arbitrator does make his/her decision. At that stage, the new amount shall apply. The Consent holder shall not place further refuse at the site if the variation of the existing bond or new bond is not provided in accordance with this condition.
21	The amount of the Consent holder's bond shall be reviewed every five years from the first placement of refuse at the landfill, by means of a risk assessment using the criteria in condition 14. More frequent reviews may be undertaken at the Councils discretion, in which case the Councils shall provide the Consent holder with no less than 30 days notice in writing of the review. If, on review, the amount of the bond to be provided by the Consent holder is greater than the sum secured by the current bond, then within 30 days of the Consent holder being given written notice by Councils of the new amount to be secured by the bond, the Consent holder and the guarantor shall execute and lodge with the Councils a variation of the existing bond or a new bond for the amount fixed on review by the Councils. No further refuse shall be placed at the site if the variation of the existing bond is not provided in accordance with this condition.
22	The Consent holder may apply to have the bond amended, discharged or reviewed at any time, in which case the Council will shall advise the Consent holder of its decision on the application within 60 days of it receiving the application. An application by the consent holder to amend the amount of the bond should be supported by a risk assessment carried out in accordance with the methodology detailed in condition 15.
23	The bond shall be maintained in favour of the Councils for a minimum period of 25 years following closure or abandonment of the landfill site. Closure shall mean completion of capping of the final landfill cell, or closure following abandonment prior to the final landfill cell being completed. If the landfill has been monitored and a risk assessment approved by the Councils affirms that there are no existing or potential adverse environmental effects from the landfill operation, then the Councils may at their discretion discharge the bond before the 25 year period has concluded. The bond period may at Council's discretion be extended beyond 25 years if a risk assessment to the satisfaction of Council conducted 25 years after landfill closure indicates that the landfill continues to pose a threat to the environment.

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24	<p>The following aspects shall be considered in a risk assessment determining whether to amend or discharge the Consent holders bond:</p> <ul style="list-style-type: none"> • Environmental performance (eg verification that groundwater is not polluted); • Sensitivity of the environment; • Degree of waste stabilisation as reflected by the cessation of landfill gas and leachate generation; and • Cap integrity. <p>All costs relating to the bond shall be paid by the Consent Holder, other than in relation to arbitration (see above), in which case both parties shall bear their own costs. The decision to review the discharge of the bond should be based on the risk assessment criteria and methodology given in condition 14.</p>
25	<p>The Consent Holder shall undertake ongoing liaison and consultation with the property owners of Mt Cass Road and Te Runanga o Ngai Tuahururi, by senior Landfill staff during the operation of the Landfill and the aftercare period.</p>
26	<p>The Consent Holder shall ensure that there are sufficient resources available at all times to deal with public complaints. To this end, the Consent Holder shall provide a 24 hours per day, 7 days per week contact service, to facilitate the handling and resolution of any complaints. A complaints register shall be kept by the Consent Holder and the Consent Holder shall advise the relevant Council of any complaint received within 5 working days of the Consent Holder receiving the complaint, and of the remedial action taken. The Consent Holder shall make the complaints register available to the Councils upon request. A nominated person from the landfill management team will be available at all times to respond to all complaints, <u>or notifications of emergencies or other unforeseen events and will</u> will <u>shall</u> be able to be on-site within one <u>one</u> hour <u>30 minutes</u>.</p>
27	<p>The Consent Holder shall, prior to the landfilling of any waste, advertise (by way of a local mail out and community advertisements) and hold a public meeting to offer local residents the opportunity to establish a Community Liaison Group.</p> <ol style="list-style-type: none"> (a) Any such Community Liaison Group shall consist of a maximum of three representatives of the property owners of the Waipara/Omihi area; two representatives of the property owners of Mt Cass Road; and one representative of the Consent Holder. (b) A representative from each of the consent authorities shall be invited to attend meetings in an observer capacity. (c) The members of the liaison group shall be offered the opportunity of a quarterly site inspection, a quarterly meeting opportunity, and provision of any information to which the Councils are entitled by virtue of these conditions regarding the development and operation of the site, at the Consent Holders expense. (d) The prime purpose of the quarterly meetings with the Community Liaison Group will be to: <ol style="list-style-type: none"> a. Explain the progress of the landfill operation; b. Listen to, and discuss as far as practicable any community and cultural concerns with the landfill operation; c. Present and discuss the complaints register and results of any monitoring and/or reporting as required by the conditions of regional and district council consents.
28	<p>In the event that any human remains or archaeological deposits are discovered, the works in that area of the site shall cease immediately and the Police, Tangata Whenua, and/or New Zealand Historic Places Trust, and also the Hurunui District Council, shall be notified as soon as practicable. Works may recommence with the written approval of the Hurunui District Council. Such approval shall be given after the Hurunui District Council has considered:</p> <ol style="list-style-type: none"> i) Tangata Whenua interests and values; ii) the Consent Holder's interests; iii) any archaeological or scientific evidence; iv) any requirements of the Historic Places Trust; and v) any requirements of the Police
29	<p>In the event of any disturbance of Koiwi Tangata (human bones) or taonga (treasured artefacts), the Consent Holder shall follow the procedures detailed in the Accidental Discovery Protocol dated 28 September 2000.</p>
30	<p>Pursuant to Section 125 of the Resource Management Act the period with which the consent holder may give effect to this consent shall be 5 years from the date of the grant of consent.</p>
31	<p>The Consent Holder shall pay to Hurunui District Council and Canterbury Regional Council any administrative charge fixed in accordance with Section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under Section 36 of the Resource Management Act 1991.</p>
32	<p><u>Prior to the commencement of operation of the landfill, the consent holder shall prepare, in consultation with Transit NZ, a Transportation Contingency Plan and submit this to the Canterbury Regional Council and the Hurunui District Council. This contingency plan shall cover all likely incidents involving the transport of waste to, and leachate from, the landfill and shall be based on full environmental risk assessments for typical areas neighbouring proposed transport routes. Such assessments shall include the likely quantity and nature of potential hazardous materials to be transported, possible exposure routes, adverse effects that may result from such exposure and the sensitivities of potential receiving environments.</u></p>

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33	<p>Pursuant to Section 128 of the Resource Management Act 1991 either consent authority may commence a review of any of the conditions of any of the consents for which that authority is responsible, within one month following the commencement of construction and thereafter on any one of the last five working days of June or November each year for any of the following purposes:</p> <ul style="list-style-type: none">i) To deal with any actual or potential adverse effect on the environment which may arise from the exercise of the consents and which it is appropriate to deal with at a later stage; and /orii) To require the consent holder to adopt the best practicable option to remove or reduce any adverse effect on the environment, deriving from any discharges; and /oriii) To require the consent holder to adopt the best practicable option to remove or reduce the amount of any constituents of the waste stream or reduce waste volumes to the landfill.iv) For the purpose of dealing with any risks or hazards arising as a result of excessive hydration of the liner, seismic events, movement of the landfill mass, or any other unforeseen event.
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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE HURUNUI DISTRICT COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A LAND USE CONSENT RC020067: To undertake all aspects of the alignment, reconstruction and upgrading of Mt Cass Road and adjoining land, involving cut and fill earthworks.	
IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District.	
SUBJECT TO THE FOLLOWING CONDITIONS:	
1	All works shall be undertaken generally in accordance with the following documents (where applicable), except where amended by conditions of consents). Where there may be differences or apparent conflict between the measures described in the documents, the conditions shall prevail: <ul style="list-style-type: none"> • Transwaste Canterbury Ltd, Kate Valley Regional Landfill Resource Consent Applications dated April 2002, and Drawings contained within the Assessment of Effects on the Environment; except as amended within the evidence given by witnesses for Transwaste Canterbury Ltd during the hearing of the resource consent applications. The site is defined on Figure 1.3a of the Application.
2	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the Auckland Regional Council Technical Publication "TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities March 99".
3	All investigations, design, supervision of construction, operation, monitoring and aftercare shall be undertaken by a Registered Engineer or Engineers experienced in such works, or works of a similar nature.
4	The works shall be contained within the areas outlined on the Drawings submitted with the Application.
5	The Consent Holder shall provide appropriate signage during the works to indicate the area of works.
6	Noise generated from activities relating to construction of the site access road, and upgrading of existing roads, shall comply with the provisions of NZS6803:1999 "Acoustics-Construction Noise".
7	The Consent Holder shall not carry out any construction works on Mt Cass Rd adjacent to or within 300 metres in any direction of the vineyard boundary shown as Points A and B, Drawing Mt Cass Road Upgrading, Hurunui District Council 30/10/2002 (attached) on Mt Cass Road at a time during any harvest season or period during which vines are being pollinated.
8	During the initial construction of the landfill and landfill access road, (prior to the commencement of landfill operations), the total number of heavy vehicle movements to the landfill site, prior to the completion of the landfill access road and Mt Cass Road upgrading, as recorded on Forestry Road within 50 metres of Mt Cass Road, in any seven day period, shall not exceed an average of ten heavy vehicles per day.
9	The consent holder shall provide a Traffic Management Plan in accordance with Transit New Zealand Code of Practice for Temporary Management July 2000 and amendments 1-3 to the consent authority for certification prior to construction commencing. On certification the plan will shall be implemented as part of the works.
10	During construction of improvements to Mt Cass Road, the consent holder shall be responsible for ensuring water equipment is provided and shall ensure its use so that surfaces are kept damp to prevent dust being emitted to adjoining private land or the State Highway as far as practicable.
11	That laybys be constructed outside the properties at 20, 51 and 133 Mt Cass Road respectively to allow the school bus to pick up outside the traffic lane and that centreline and edge lines be installed as part of the reconstruction of Mount Cass Road between State Highway 1 and the landfill access road.
12	That p <u>Prior to the placement of any refuse in the landfill, the following roading works shall be undertaken:</u> <ul style="list-style-type: none"> ▪ the intersection of Mt Cass Road with State Highway 1 shall be upgraded inupgraded inin in in accordance with Supplementary Drawing 6 (Eliot Sinclair Partners Drawing182028/33) prior to the placement of any refuse in the landfill. The Consent Holder shall report annually to the Hurunui District Council any traffic incidents involving traffic associated with the landfill activity which occur at the intersection of Mt Cass Road and State Highway 1 and the portion of State Highway 1 extending 500 m to the south of that intersection. If, within two years of the first receipt of waste at the landfill, these reports indicate an identifiable

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	<p>trend of traffic incidents associated with the merging of landfill traffic from Mt Cass Road with traffic on State Highway 1, the Hurunui District Council may review this condition to determine whether further works should be carried out at the intersection by the Consent Holder to ensure or improve traffic safety by widening the shoulder generally in accordance with the plan labelled Drawing No. SK1, Revision A:</p> <ul style="list-style-type: none"> an acceleration lane/sealed shoulder for trucks turning left from Mt Cass Road into State Highway 1 shall be constructed generally in accordance with the plan labelled Drawing No SK1 Revision A (attached) which shall be prepared in consultation with Transit NZ and is required to be certified by Transit NZ. The acceleration lane shall comprise a sealed road shoulder of 3.5m in width for a distance of 300 metres on the eastern side of State Highway 1 starting at the intersection with Mt Cass Road and extending south towards the Waipara Bridge. After 300 metres the lane/sealed shoulder shall taper for a further 105m.
13	That during the upgrading of Mt Cass Road in the vicinity of the intersection with State Highway 1, traffic is to be managed in accordance with Transit New Zealand's "Interim Code of Practice for Temporary Traffic Management".
14	The Consent Holder shall design and construct sealed shoulders on the existing Mt Cass Road for approximately 1.4 kilometres from RP 200 to RP 1600 as shown on Sheets 4 to 5 of Drawing 182028 prepared by Eliot Sinclair and Partners contained in the Proposed Canterbury Regional Landfill at Kate Valley- Volume 3: Figures and Drawings, dated April 2002. That this work include upgrading all existing property accessways in accordance with Hurunui District Council Proposed Plan Figure A5.3. The road pavement, and associated features, required under this condition shall be designed for a 35-year life based on the "Likely" traffic volumes specified in the report contained in Appendix W of the AEE.
15	The Consent Holder shall design and construct a sealed pavement partly on new alignment and partly on the existing Mt Cass Road for approximately 3.6 kilometres from RP 1600 to the landfill access road as shown on Sheets 6 to 11 of Drawing 182028 prepared by Eliot Sinclair and Partners contained in the Proposed Canterbury Regional Landfill at Kate Valley- Volume 3: Figures and Drawings, dated April 2002. The road pavement, and associated features, required under this condition shall be designed for a 35-year life based on the "Likely" traffic volumes specified in the report contained in Appendix W of the AEE.
16	The Consent Holder shall undertake strength testing on the existing Mt Cass Road for approximately 1.4 kilometres from RP 200 to RP 1600 as shown on Sheets 4 to 5 of Drawing 182028 prepared by Eliot Sinclair and Partners contained in the Proposed Canterbury Regional Landfill at Kate Valley- Volume 3: Figures and Drawings, dated April 2002. The Consent Holder shall, in consultation with Hurunui District Council, determine the residual life of the existing road pavement and the cumulative traffic loading at which time a structural overlay of the existing road will be necessary.
17	The Consent Holder shall design and construct a granular overlay and seal as determined by Condition 16. The road pavement, and associated features, required under this condition shall be designed for the greater of: <ul style="list-style-type: none"> The remaining life of the landfill, based on 35 years from the opening of the landfill, and based on the "Likely" traffic volumes specified in the report contained in Appendix W of the AEE. 20 years based on the "Likely" traffic volumes specified in the report contained in Appendix W of the AEE.
18	The design work described in conditions 14 to 17 shall be carried out in accordance with current industry standards including the following: <ol style="list-style-type: none"> Rural Road Design – Guide to the Geometric Design of Rural Roads; Austroads, 1989 Guide to Traffic Engineering Practice Part 5: Intersections at grade; NAASRA 1991 Pavement Design: A Guide to the Structural Design of Pavements; Austroads 1992 (plus New Zealand Supplement of November 1995) Bituminous Sealing Manual: Transit New Zealand 1993 Manual of Traffic Signs and Markings: Parts 1 & 2 - Transit New Zealand/Ministry of Transport 1992 Safety Barriers – Consideration for the provision of Safety Barriers on Rural Roads; NAASRA 1987.
19	Engineering design plans and geotechnical reports for the works required under conditions 14 to 17 shall be submitted to and approved by the Hurunui District Council prior to the work being undertaken.
20	The construction work and materials described in conditions 14 to 17 shall be carried out in accordance with Transit New Zealand Standard Specifications.
21	That the Mt Cass/ Landfill intersection be constructed to provide "Safe Intersection Sight Distance" and be in accordance with the Austroads Guide to traffic Engineering Practice: Part 5.
22	The Consent Holder shall ensure that no vegetation will be disturbed or removed beyond the limit of the works.
23	The Consent Holder shall strip topsoil, store separately from the work site, and replace over the completed batters and fill embankments.
24	The Consent Holder shall stockpile materials, particularly topsoil, for as short a time as possible, to minimise weed growth and loss of soil from stormwater runoff.
25	The Consent Holder shall sow the batters and fill embankments as soon as possible after the earthworks are completed, preferably during spring and early summer. The Consent Holder shall ensure the grass seed mix is free of weeds, and the areas are fenced off from grazing to allow for suitable establishment and stabilisation of the soil.

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26	The Consent Holder shall reinstate haul roads at the completion of construction through appropriate contouring and grass sowing measures.
27	The Consent Holder shall apply adequate nutrients to ensure good seeding establishment and subsequent growth. The chief main nutrients utilised shall include lime, phosphate, potash, and sulphur.
28	The Hurunui District Council shall inspect oversown areas to assess any requirements for regrassing. The consent holder shall undertake oversowing measures as requested as requested in writing by the Hurunui District Council to improve establishment.
29	That all the costs of road stopping and vesting be met by the consent holder and that survey plans of the land to be vested and stopped be provided to the Hurunui District Council after the completion of construction works.
30	Following the completion of the road construction works as-built drawings shall be forwarded to Hurunui District Council.
31	In the event of any disturbance of Koiwi Tangata (human bones) or taonga (treasured artefacts) the Consent Holder shall follow the procedures detailed in the Accidental Discovery Protocol dated 28 September 2000 submitted with the Application.
32	Prior to the works commencing the Consent Holder shall prepare a Management Plan for the storage, handling, use or disposal of hazardous materials, chemicals and waste. A copy of the plan shall be forwarded to the Hurunui District Council.
33	Where spillages of hazardous materials, chemicals or waste occurs, the Consent Holder shall ensure that all spilled materials and contaminated soil and stormwater are properly contained, pumped or removed into suitable holding containers and removed from site.
34	The Consent Holder shall ensure that all site personnel are trained in hazardous material and waste handling and spill contingency and emergency procedures.
35	At the conclusion of the road works, the Consent Holder shall remove all spent containers of hazardous materials and dispose of in a safe and proper manner.
36	The Consent Holder shall pay to Hurunui District Council any administrative charge fixed in accordance with Section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under Section 36 of the Resource Management Act 1991.
37	Pursuant to Section 125 of the Resource Management Act 1991 the period with which the consent holder may give effect to this consent shall be 5 years from the grant of this consent.
	<p>Advice Note</p> <p>The applicant should contact Transits' network management consultants, Opus International Consultants at least three months prior to works commencing to apply for approval to work on the State Highway pursuant to section 51 of the Transit New Zealand Act 1989.</p>

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE HURUNUI DISTRICT COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A LAND USE CONSENT RC020069: To carry out the construction, development, operation and rehabilitation, and associated activities, of a landfill designed to accept municipal solid waste. IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions <u>and the special conditions 6 – 9 in Annexure 1.</u> Where there may be differences or apparent conflict between the general conditions and the conditions below, the conditions below shall prevail.
2	There will <u>shall</u> be no general public access to the site. Refuse shall be delivered to the site only in vehicles suitable for the transport of refuse, with waste securely contained (<u>fully enclosed or covered</u>) in a manner that prevents the escape of liquid or solid material from the vehicle, and offensive or objectionable odour, either in motion or at rest, and by parties who have been given prior authorisation by the Consent Holder. <u>All refuse delivered to the site, with the exception of special waste, shall be compacted.</u>
3	All vehicles with access to the landfill face must go through the wash down area before travelling on a public road.
4	<u>No construction work on the landfill shall start before 6.00 am or continue after 8.00 pm Monday to Friday inclusive, or start before 7.00 am or continue after 6.00 pm on Saturday, Sunday and public holidays.</u>
4A	All Construction work on the site prior to the first acceptance of waste shall comply with the requirements of NZS 6803, 1999 “Acoustics – Construction Noise”.
5	The noise level (L ₁₀) from landfill operations (including ongoing construction work not covered by Condition 4) measured at or within the notional boundary, as detailed in NZS 6802:1991, shall not exceed the following limits: Monday to Saturday inclusive 7.00 am to 7.00 pm <u>50dBA45dBA</u> (L ₁₀) Sundays and public holidays 7.30 am to 6.00 pm 45 dBA (L ₁₀) At all other times <u>40dBA35dBA</u> (L ₁₀) Noise shall be measured and assessed in accordance with the requirements of NZS 6801: 1991 – Measurement of Sound and NZS 6802: 1991 – Assessment of Environmental Sound-
6	The hours of operation of the landfill shall be as follows: Landfill operations (including ongoing construction work not covered by Condition 4) shall be permitted only between the hours of 6.00am and 10.00pm Monday to <u>Sunday-Friday</u> inclusive <u>and between the hours of 8.00am and 8.00pm on Saturdays, Sundays and Public Holidays</u> , except that on-site operations at the landfill shall be permitted outside the stated hours in the event of disruption <u>to normal operations as result of adverse due to adverse</u> weather conditions, to the operation during normal hours <u>(Provided however that extraordinary operation shall not occur on more than 20 days in any calendar year-</u> The Consent Holder shall notify the Council within 24 hours of the event. As part of the notification the Consent Holder shall detail the: (a) nature of the disruption; and (b) the hours during which the landfill continued to operate beyond normal hours. This information shall also be made available to the Community Liaison Group on request.
7	<u>Heavy vehicles associated with the transportation of waste and leachate shall not enter the landfill site before 7am or after 9pm Monday to Friday inclusive or before 9am or after 5pm on Saturdays, Sundays and Public Holidays. (Note: “heavy vehicle” is defined in condition 22)</u>

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	<u>The consent holder shall ensure the noise from landfill vehicle on Mt Cass road complies with "Transit New Zealand Guidelines for the Management of Road Traffic Noise – State Highway Improvements 1999".</u>
7A	The Consent Holder shall construct a stockproof fence around the perimeter of the site, and a 2 metre high security fence around the amenities area, as indicated on the Drawing C26 Amenities Platform Area, submitted with the Application.
8	The Consent Holder shall undertake progressive rehabilitation and landscaping works as each stage of the Landfill is completed, and maintain such works, in accordance with the Landscape Management Plan as required in Conditions 9 to 14.
9	Three (3) months prior to commencing excavation and site works, the Consent Holder shall prepare and submit to the Council, a detailed Landscape Management Plan in accordance with the conditions 10, 11, 12, 13, and 14 for certification by the Manager Environmental Services.
10	The Landscape Management Plan shall be prepared by a qualified Landscape Architect. The Landscape Management Plan shall set out the proposed staging and timing of detailed design with indicative implementation and shall incorporate the following: <ul style="list-style-type: none"> (a) The screen plantings SL1, SL2 and SL3 illustrated on Drawings 34 and 35 of the Landscape and Site Rehabilitation Report (Appendix H), prepared by Boffa Miskell Ltd, amended to ensure continuation of the principal existing views of the sea from Mt Cass Road. (b) The landscape treatments as detailed in Section 3.2 of the Landscape and Site Rehabilitation Report (Appendix H), prepared by Boffa Miskell Ltd. (c) The sequential Landfill zones with temporary and permanent rehabilitation, together with indicative final contours and the proposed end use for each area restored. (d) The treatment of stockpile and borrow areas not required for any 6 month period, with the objective of avoiding erosion. (e) The transition between grazing land use and forestry use, including management of fire risk, with the objective of minimising fire risk from dry grass.
11	The Landscape Management Plan shall include detailed landscape drawings with the following: <ul style="list-style-type: none"> • Schedules of planting species • Phasing of implementation for each locality • Site preparation requirements and proposed protection (fencing) • Average planting densities • Grades of plantings with any staking and fertiliser requirements • Soil amelioration practices if required • Irrigation and pest control measures if required • Maintenance programmes detailing the manner in which the planting described above will be maintained.
12	The Consent Holder shall commence implementation of the planting for each stage as identified in, and in accordance with the priorities and time frames outlined in, the Landscape Management Plan.
13	The Consent Holder shall provide for the long term protection and management of beech remnant B by: <ul style="list-style-type: none"> <input type="checkbox"/>The registration of a Covenant in a form to be approved by the Manager, Hurunui District Council, which provides legal protection in perpetuity of an area, the boundaries of which are to be agreed between the Consent Holder and Hurunui District Council and failing agreement specified by the Council, around beech remnant B, of approximately 8 hectares in area; <input type="checkbox"/>The permanent removal of grazing from the area so defined prior to commencement of first placement of waste within the landfill; <input type="checkbox"/>Initiating and continuing weed and pest control within the area so defined during the operating life of the landfill; <input type="checkbox"/>Carrying out beech and other native plant propagation and seedling transplant from remnant A into the area so defined with appropriate support/buffer planting over the period until remnant A is removed by landfill construction (approximately 10 years following commencement of the landfill); and Ongoing monitoring and management of native forest, including beech restoration within the area so defined, during the operating life of the landfill. <p><u>The landfill shall be redesigned so as to avoid earthworks in the location of beech Remnant A. Remnants A and B shall both be protected from any harm deriving from the construction or operation of the landfill. The consent holder shall also ensure that both Remnants are fenced off from stock and it shall control weeds and pests within those areas for the life of the landfill. Any redesign required by this condition shall ensure that the landfill footprint does not extend beyond the footprint shown in the application material, and the final finished height of the landfill shall be no higher than that shown in the application material. Any conditions that refer to plans or management plans shall be read as being subject to this condition.</u></p>

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14	At the time of submitting the Landscape Management Plan to the Council as required by Condition 9, the Consent Holder shall enter into a performance bond to the value of \$100,000 in accordance with Section 108(1) of the Resource Management Act for the purpose of remedying any failure in achieving effective screen planting SL1, 2 and 3 Drawing 35 of the Landscape Management Plan over a ten (10) year term following the commencement of consent. The bond shall also cover the cost of remedying any failure of rehabilitated grassed areas and water control. The bond shall be on the terms and conditions required by the Council and in a form acceptable to the Council and shall be prepared by the Councils solicitor, at the expense of the Consent Holder. The bond shall be a cash bond or shall be guaranteed by a surety acceptable to the Council.
15	The consent holder shall submit annually a Landscape Report to the Council. The report shall be submitted during the month of the anniversary of the commencement of the implementation of the Landscape Management Plan. The landscape report shall detail planting, maintenance and plant and animal pest control activities undertaken during the previous year and detailed plans for landfill stages proposed in the following year. This annual report shall also be made available to the Community Liaison Group on request.
16	The final finished surface of the Landfill shall, following settlement and capping, not exceed the levels shown on Drawing C16 Final Development Plan included with the Applications.
17	All permanent buildings erected on the site shall be painted to blend with the surrounding area.
18	All permanent buildings on the landfill site <u>will</u> shall be finished with colours that maintain a reflectivity of no more than 37%.
19	The Consent Holder shall, prior to the commencement of landfill operation, commission a site specific lighting design, to minimise light spill and glare beyond the boundaries of the site, by a Registered specialist Electrical Engineer approved by the Manager Environmental Services, Hurunui District Council, covering the following site locations: <ul style="list-style-type: none"> • Office/weighbridge • Containers transfer area • Workshop and shall construct all lighting in those locations in accordance with the approved design.
20	The Consent Holder shall prior to the commencement of operation of the landfill, commission a site specific lighting design, and operational procedures, to minimise light spill and glare from landfilling operations, by a Registered specialist Electrical Engineer approved by the manager, Hurunui District Council, for each of the phases of the landfill. The design and operational procedures shall be incorporated into the Landfill Management Plan and adhered to at all times when the landfill is operating during the hours of darkness.
21	Prior to landfill operations commencing, Mt Cass Road, (from State Highway 1 to the Landfill access road), the junction of Simmonds Road and Mt Cass Road, the junction of the Mt Cass Road and the Landfill access road, shall be realigned, reconstructed, and upgraded in accordance with the documentation included in the application and pursuant to the conditions of consent RC 020067.
22	The total number of vehicle movements to or from the site in any seven day period shall not exceed 4240 1090, of which no more than 705 600 shall be heavy vehicles. For the purpose of this condition heavy vehicle means a motor vehicle (other than a motorcar that is not used, kept, or available for the carriage of passengers for hire or reward) in which the gross laden weight exceeds 3500 but does not include an emergency response vehicle designed solely or principally for that purpose.
23	The Consent Holder shall record the number and type of vehicle movements to and from the site on a daily basis. This record shall be made available to the Hurunui District Council on request.
24	There shall be only one working face for general refuse operating at any one time. No working-face shall exceed the dimensions of 30 m by 30 m at any time.
25	The uncovered areas of the working face shall be kept to a practicable minimum and all necessary steps shall be taken to minimise odour from the working face.
26	Windowing of refuse by removal of cover material shall, as far as practicable, take place immediately prior to placement of subsequent refuse lifts, but in any event not longer than two hours, prior to the commencement of refuse placement.
27	Refuse shall be covered with clean fill or soil cover to a minimum depth of 150mm at the end of each working day. Approved alternative daily cover materials, such as tarpaulins, may be used in lieu of the clean fill or soil cover. No refuse shall remain exposed overnight.
28	There shall be no burning of waste materials on site.
29	The Consent Holder shall provide, and continuously operate at all times that waste is being placed, a wind speed measurement device within 100 metres of the working face. For each phase of the landfill the Consent Holder shall develop a trigger level average wind speed measured over a ten minute period, for the cessation of the placing of waste based on the spread of litter. The trigger level shall be approved in writing by the Manager: Environmental Services, Hurunui District Council. The Consent Holder shall ensure that the disposal of refuse ceases when the average windspeed over a ten minute period exceeds the approved trigger level.
30	<u>The consent holder shall ensure that litter from its site is managed so that there are no nuisance deposits of litter beyond the boundary of the land owned by the Consent</u>

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	Holder, or land over which the Consent Holder has rights. The Consent Holder shall be responsible for the removal, as soon as practicable, of any litter from site operations deposited beyond the landfill site boundary. There shall be a minimum of weekly monitoring and if required, clean up, together with monitoring and cleanup following any wind event which causes cessation of landfill operations.
31	Should litter escape on Mt Cass Road, due to litter falling or being blown from vehicles delivering refuse to the site, the Consent Holder shall be responsible for the clean up of all falling litter and weekly monitoring and clean up of Mt Cass Road.
32	No access to the site shall be permitted to vehicles delivering refuse to the site unless they are fully enclosed or covered to prevent the escape of litter.
33	If wind blown litter from the landfill finds its way onto adjacent land, the Consent Holder shall be responsible at the request of the landowner for the removal of this litter.
34	The Consent Holder shall, as necessary, control wind blown litter by the erection of litter control fences around the operational portion of the Landfill.
35	During construction and operation of the landfill, the consent holder shall be responsible for ensuring water equipment is provided to ensure that surfaces are kept damp to prevent dust generation beyond the boundaries of the site.
36	The Consent Holder shall engage a suitably qualified independent pest control organisation to undertake a vermin survey of the site prior to commencement of operation and then at intervals of not more than twelve months for the period of the landfill operation following the commencement of this consent. The results of such survey's are to be made available to the Council within two weeks of its completion and the Community Liaison Group on request. If increased vermin levels are reported the Consent Holder shall take immediate action to reduce vermin.
37	No stormwater coming in contact with refuse shall be discharged as stormwater, but instead shall be considered as leachate and discharged into the leachate treatment/disposal system.
38	All permanent diversion channels shall be designed to manage a 1% AEP (Annual Exceedance Probability) design flood. Bench drains and other temporary drains shall be designed for the 20% AEP event. Diversion channels shall be designed such that if this capacity is exceeded the preferential (secondary) flow path is, as far as practicable, away from the Landfill.
39	Suitable scour protection of concrete, rock or timber construction shall be utilised as necessary to prevent scour of drains, including at their inlet and outlet points.
40	Diversion channels and cut-off drains shall be maintained to minimise the infiltration and run-off of stormwater onto the Landfill from areas outside the Landfill footprint.
41	All diverted stormwater shall be treated in the sedimentation ponds as shown on the Drawing C3 General Site Arrangement.
42	Waste haul vehicles accessing the site shall comply with the following standards: <ul style="list-style-type: none"> • Euro III Vehicle Emission Standard EU Directive 1999/96/EC • European Truck Noise Standard EU Directive 96/20/EC
43	In the event of closure of the landfill before it has reached its design profile ("early closure"), the Consent Holder shall provide a Closure Plan to Hurunui District Council and Canterbury Regional Council, detailing the construction works necessary to close the operating landfill and move to the aftercare stage. The Closure Plan shall be reviewed by the Peer Review Panel, and their report is to be provided to the Hurunui District Council and Canterbury Regional Council.
44	A certificate signed by the person responsible for designing the early closure of the landfill and associated systems and structures or a competent person shall be submitted to the Hurunui District Council and the Canterbury Regional Council within one month of completion of closure construction to certify that the works were carried out in accordance with the design plans submitted, as required by condition 45 of this Schedule.
45	Pursuant to Section 128 of the Resource Management Act 1991 the Hurunui District Council may commence a review of any or all of the conditions of this consent within one month following the first and/or second anniversary of the first receipt of waste at the Landfill and at five yearly intervals thereafter. Such a review will be undertaken after consultation between the Hurunui District Council and the Consent Holder and shall include, but not be limited to, dealing with any adverse effects on the environment that may arise from the exercise of this consent.
46	In addition to the fees paid for processing this application the consent holder shall pay to the Council a monitoring fee of \$3600. This monitoring fee covers the cost of setting up a monitoring programme in conjunction with the operation of this consent. Site inspections and work required to ensure ongoing compliance with the conditions imposed shall be charged at the hourly rate specified in the Hurunui District Council Resource Management Schedule of Fees and Charges.
47	The Consent Holder will shall contribute \$5850 plus GST per annum, increased annually by the Construction Cost Index, commencing on the first anniversary of the date of first placement of waste, to the Hurunui District Council as full contribution towards all maintenance, resealing and reconstruction of the first 5.2 km of Mt Cass Road during the operating life of the landfill.
47	Pursuant to section 409 of the Resource Management Act 1991, the consent holder shall pay a financial contribution, being 0.25% of the assessed value of the development, to the Hurunui District Council, prior to the commencement of the placement of refuse at the site, provided that, in the event that beech Remnant A is not protected, the amount of this contribution shall increase to 0.4% of the assessed value of the development.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A LAND USE CONSENT CRC021906: to disturb the beds and realign the channel of Omihi Stream by constructing a bridge and embankment and erect structures and trees within 7.3 m of a waterway at Tiromoana Station, Mt Cass Road. DURATION: 5 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the Auckland Regional Council Technical Publication “ <i>TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities March 99</i> ”.
3	All investigations, design, supervision of construction, operation, monitoring and aftercare shall be undertaken by a Registered Engineer experienced in such works, or works of a similar nature.
4	The exercise of this consent shall not increase the suspended sediment concentration of the water of the Omihi Stream by more than 50 grams per cubic metre at any point further than 300 metres downstream from where work is occurring, except for the 24 hours immediately following the completion of the cutting in of the new channel to the existing channel.
5	Works in Omihi Stream shall not prevent the passage of fish.
6	Works shall not cause erosion of the banks or bed of the streams.
7	Machinery shall be free of plants and plant seeds prior to use in the riverbed.
8	All practicable measures shall be undertaken to minimise adverse effects on property, amenity values, wildlife, vegetation and ecological values.
9	The Consent Holder shall, in consultation with Canterbury Regional Council, replace any riparian vegetation lost during physical works. The affected areas include the riparian margins upstream and downstream of the proposed Omihi Stream bridge.
10	There shall be no storage of fuel or refuelling of vehicles or machinery anywhere in the bed of the river.

Conditions of Consent

PROPOSED RESOURCE CONSENT

Pursuant to Section 105 of the Resource Management Act 1991

THE CANTERBURY REGIONAL COUNCIL

GRANTS TO: TRANSWASTE CANTERBURY LIMITED

A WATER PERMIT CRC021911: to divert water in the Omihi Stream by constructing a bridge and embankment at Tiromoana Station, Mt Cass Road.

DURATION: 5 years

IN CONNECTION WITH THE FOLLOWING PROPERTY:

LOCATION: 666 MT CASS ROAD, WAIPARA

LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District.

SUBJECT TO THE FOLLOWING CONDITIONS:

1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Diversion of water in Omihi Stream shall not prevent the passage of fish or cause fish stranding.
3	All practicable measures shall be undertaken to minimise adverse effects on property, amenity values, wildlife, vegetation and ecological values.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021912: to discharge water and sediment to land in circumstances that may result in a discharge of water to unnamed tributaries of Omihi Stream and Wash Creek associated with constructing and operating a bridge and embankment, and the realignment, reconstruction, upgrading and operation of part of Mt Cass Road and adjoining land at Tiromoana Station, Mt Cass Road. DURATION: 5 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the Auckland Regional Council Technical Publication “ <i>TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities March 99</i> ”.
3	All investigations, design, supervision of construction, operation, monitoring and aftercare shall be undertaken by a Registered Engineer experienced in such works, or works of a similar nature.
4	The Consent Holder shall construct and maintain appropriate stormwater management measures, including drains and sediment traps for the interception and treatment of stormwater run off from the works. These measures shall remain in place over the duration of the construction period and for a period following construction to allow a suitable cover of vegetation to establish on restored areas.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021913: to discharge waste onto land in circumstances that may result in contaminants (or any other contaminants emanating as a result of natural processes from those contaminants) entering water. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Waste shall only be discharged onto, or into, land on those areas of the site identified as the Landfill Footprint on Drawing C3.
3	No waste, other than residual Municipal Solid Waste (MSW), will shall be accepted for disposal. The definition of MSW shall be any non-hazardous, solid waste from a combination of domestic, commercial and industrial sources. It includes putrescible waste, garden waste, uncontaminated biosolids, and clinical and related waste (including contaminated waste sterilised to a standard acceptable to the Department Ministry of Health). It may include a small proportion of hazardous waste from households, and small commercial premises that is not detectable using standard screening procedures <u>at either transfer stations or other waste reception facilities</u> . Such quantities are small - generally <200 ml/t, or <200 g/tonne. It also includes site-generated process sludges in comparatively small quantities (e.g. LCS condensate, evaporator sludges, sludges from leachate treatment and sediment control facilities), and non-hazardous sludge wastes (e.g. wastewater treatment plant sludges) consistent with maintaining workable sludge/waste ratios for operations and stability purposes. <u>In terms of the above, “residual” shall mean that part of the municipal waste stream remaining, once all practicable and economic measures have been adopted to reduce, recover, reuse and or recycle material within the waste stream.</u>
4	No liquid waste, other than site generated liquid waste, shall be accepted for disposal. The definition of liquid waste shall be any waste that has a solids content of less than 20%, except such waste that passes the Paint Filter Liquids Test (EPA Method 9095A).
5	Medical wastes shall be acceptable for disposal in accordance with NZS 4304:2002 “ <i>Health Care Waste Management</i> ”.
6	<p>Hazardous waste shall not be accepted for disposal at the Landfill. The definition of “hazardous waste” shall be:</p> <p>(i) any waste¹ that:</p> <ul style="list-style-type: none"> (a) Contains hazardous substances at sufficient concentrations to exceed the minimum degrees of hazard specified by <i>Hazardous Substances (Minimum Degrees of Hazard) Regulations 2000</i> under the <i>Hazardous Substances and New Organism Act 1996</i>, or (b) Meets the definition for radioactive material included in the <i>Radiation Protection Act 1965 and Regulations 1982</i>². <p>An indication of what sources waste are likely to meet these criteria can be found in the New Zealand Waste List; and</p> <p>(ii) Wastes which exhibit the characteristics of toxicity and eco-toxicity which following testing using the US EPA Toxicity Characteristic Leaching Procedure (TCLP) result in leachable concentrations of contaminants in excess of the leachable concentration values in NSW EPA “TCLP Values for Solid Waste Landfills (1998)”. Where NSW EPA TCLP values do not exist for a substance for which a disposal request is made, the TCLP limit shall be set at the lesser of:</p> <ul style="list-style-type: none"> (a) NZS 9201 Trade Waste Bylaw limits; or (b) 100 times the New Zealand Drinking Water Standard (2000); or (c) 1000 times the 95 percent level of protection trigger values for freshwater as listed in Table 3.4.1 of “Australian and New Zealand Guidelines for Fresh and Marine Water Quality” (ANZECC, 2000). <p>The definition of “hazardous waste” shall not include small quantities of waste products containing potentially hazardous components that are not likely to have adverse effects on the environment, such as can reasonably be expected to be contained in the municipal waste stream.</p> <p>¹Waste is defined as any material, whether it is liquid, solid or gas, that is unwanted and unvalued (defined by the W-Code) and discarded or discharged (defined by the D/R-Code) by its holder. In the context of defining waste, 'unwanted and unvalued' relates, but is not limited to, any material from the categories listed in the W-Code.</p>

Conditions of Consent

	<p>W-Code: Categories of materials that are unwanted or unvalued <i>This list is taken from Table 1 of OECD Decision C(88)90(Final).</i> W1 - Production residues not otherwise specified below W2 - Off-specification products W3 - Products whose date for appropriate use has expired W4 - Materials spilled, lost or having undergone other mishap including any materials, equipment etc. contaminated as a result of the mishap W5 - Materials contaminated or soiled as a result of planned actions (e.g. residues from cleaning operations, packing materials, containers, etc.) W6 - Unusable parts (e.g. reject batteries, exhausted catalysts, etc.) W7 - Substances which no longer perform satisfactorily (e.g. contaminated acid, contaminated solvents, exhausted tempering salts, etc.) W8 - Residues of industrial processes (e.g. slags, still bottoms, etc.) W9 - Residues from pollution abatement processes (e.g. scrubber sludges, baghouse dusts, spent filters, etc.) W10 - Machining/finishing residues (e.g. lathe turnings, mill scales, etc.) W11 - Residues from raw materials processing (e.g. mining residues, oil field slops, etc.) W12 - Adulterated materials (e.g. oils contaminated with PCBs, etc.) W13 - Any materials, substances or products whose use has been banned by law in the country of exportation W14 - Products for which there is no further use (e.g. agriculture, household, office, commercial and shop discards, etc.) W15 - Materials, substances or products resulting from remedial actions with respect to contaminated land W16 - Any materials, substances or products which the generator or exporter declares to be wastes and which are not contained in the above categories ² Radioactive material means any article containing a radioactive substance giving it a specific radioactivity exceeding 100 kilobecquerels per kilogram and a total radioactivity exceeding 3 kilobecquerels.</p>
7	<u>From 1 January 2005, the Consent Holder shall only accept waste from transfer stations or other waste reception facilities that provide facilities for the separation of hazardous waste by users of the facility and which promote the merits of such separation to users.</u>
7A	Special Wastes, (being Municipal Solid Waste, but which require special handling or testing or certification procedures), will <u>shall</u> only be accepted if their disposal has been pre-booked, and are accompanied by a manifest detailing its nature, composition and source in sufficient detail to demonstrate compliance with the waste acceptance criteria. All Special Wastes shall be specifically buried on a load by load basis, and immediately covered.
8	<u>From 1 January 2008 the consent holder shall only accept waste (other than special waste) from transfer stations or other waste reception facilities, that provide for and encourage the separation of green waste by users of the facility, and from that date no loads of green waste shall be received at the landfill.</u>
8A	The Consent Holder shall maintain a record of: (a) The quantities and types of waste accepted at the Landfill; and (b) The actual location of the disposal of any special and odorous wastes. A copy of this record shall be forwarded to the Canterbury Regional Council by 1 October each year, unless otherwise agreed in writing by the Canterbury Regional Council.
9	Sludges, fine grained materials other than the liner protection layer, special wastes, or wastes with the potential to affect the physical or chemical integrity of the HDPE liner, shall not be placed within 3 metres of it.
10	To minimise the potential for hazardous waste to be disposed of at the Landfill, the following measures shall be taken: (i) A notice shall be clearly positioned at the Landfill entrance to identify wastes which are not accepted at the Landfill; and (ii) Random inspections of incoming loads for the presence of hazardous waste shall be undertaken. (iii) The delivery of material onto the site shall be supervised by the consent holder or their representative at all times. (iv) Each person delivering waste to the landfill site shall sign a written declaration or formal agreement with the consent holder that the deposited material meets the acceptance criteria specified in Conditions 3 – 5 of this consent. These records shall be held at the landfill site and shall be provided to the Canterbury Regional Council on request. (v) The site shall be surrounded by fencing and lockable gates. (vi) All entrances to the site shall be securely locked when the site is not supervised.
11	The Consent Holder shall immediately notify the Canterbury Regional Council if any vehicle(s) is turned away from the Landfill with waste that does not comply with the waste acceptance criteria detailed in Conditions 3 - 7. This notification shall include the vehicle registration number and source of the waste (if known).
12	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for

Conditions of Consent

	<p>the purposes of:</p> <ul style="list-style-type: none">a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; orb) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
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Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021914: to discharge leachate and other site-generated liquids from a landfill onto land, in circumstances that may result in contaminants (or any other contaminants emanating as a result of natural processes from those contaminants) entering water. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Leachate shall only be discharged onto or into, land on those areas of the site identified as the Landfill Footprint on Drawing C3.
3	The landfill shall be constructed with a: <ul style="list-style-type: none"> (a) Landfill liner to isolate leachate from the underlying strata; (b) Leachate collections system to remove leachate from the landfill and minimise any hydraulic gradient across the liner, and if required (c) An under-drainage system.
4	The leachate containment (lining) system for the Landfill shall consist of the following, from bottom to top: <ul style="list-style-type: none"> (a) 500 millimetres of in-situ or compacted soils with a permeability coefficient of not more than 1×10^{-7} metres per second; (b) a Geosynthetic Clay Liner (c) 1.5 millimetre high density polyethylene flexible membrane liner; (d) a 500 millimetre liner protection layer Other liner designs may be adopted provided equivalent performance is demonstrated by the consent holder.
5	Leachate drainage and liner grades shall be configured such that the design maximum head of leachate on the liner is no greater than 300 millimetres.
6	A final cover layer shall be constructed to the following minimum specification, from bottom to top, as each stage of the Landfill is completed: <ul style="list-style-type: none"> (a) 300 millimetres of poorly graded silt/sand material (capillary break layer) with a permeability coefficient of not more than 1×10^{-6} metres per second (b) 1200 millimetres of compacted clay (evaporative layer) with a permeability coefficient of not more than 1×10^{-7} metres per second; and (c) 100 millimetres of topsoil (grassed). Other cover designs may be adopted provided equivalent performance is demonstrated by the consent holder.
7	The Consent Holder shall include within the Landfill Management Plan provisions setting out how the Leachate Collection and Disposal System will be maintained to comply with all conditions.
8	The Consent Holder shall install three separate groundwater monitoring bores at or as close as practicable to map reference NZMS260 N34: 965-895, between the landfill toe bund and the inlet to the sedimentation pond and as close to Kate Creek as is practicable. <ul style="list-style-type: none"> (a) The deepest bore shall be drilled through the Greenwood formation to the top of the Tokama siltstone and screened over 6 metres at the base of the Greenwood Formation. The shallowest bore shall be screened at the water table and extend to a depth that provides at least 5 metres of submerged screen below the lowest water level. The intermediate depth bore shall be screened over 6 metres at a point located midway between the shallow and deep bores. (b) Each bore shall be installed in a separate hole, with a lateral separation of 5 metres between holes.
9	The Consent Holder shall install three, shallow groundwater monitoring bores into groundwater seep sites near the Teviotdale Stream at or as close as practicable to map references NZMS 260 N34: 956-893, 957-893 and 959-892. These bores shall be screened at the water table and extend to a depth that provides at least 5 metres of submerged screen below the lowest water level
10	The method of drilling monitoring bores shall not use fluids which might disturb the natural chemistry of the groundwater.

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11	All monitoring bores shall be constructed and secured so as to prevent ingress of surface waters which would negate the groundwater monitoring function.
12	<p>Groundwater monitoring shall commence at least 42-18 months prior to waste being accepted at the site, in order to establish baseline water chemistry in each bore and develop trigger levels.</p> <p>(a) Trigger levels shall be set to identify significant deviations of baseline groundwater quality for each parameter specified and be based on the mean plus three standard deviations of the baseline groundwater quality data measured after a minimum of four sampling rounds over at least 12 months.</p> <p>(b) If monitoring demonstrates that the trigger levels are exceeded, then further samples shall be taken and tested within 14 days.</p> <p>(c) If the exceedance of the trigger levels is confirmed, the Consent Holder shall immediately advise the Canterbury Regional Council and notify all downstream groundwater and surface water abstractors in the catchment where the exceedance has occurred; and shall prepare a report providing reasons for the exceedance and details of monitoring and remedial measures that shall be undertaken to mitigate any adverse environmental effects. This report shall be forwarded to the Canterbury Regional Council and the Hurunui District Council within 30 days of receipt of the monitoring results confirming the exceedance of trigger levels.</p>
13	<p>The Consent Holder shall monitor well water levels every 3 months, and analyse for the following parameters twice a year, to coincide with the winter groundwater level maximum (generally September) and summer groundwater minimum (generally April):</p> <ul style="list-style-type: none"> • pH (field and laboratory) • conductivity (field and laboratory) • dissolved oxygen (field) • total organic carbon • alkalinity • sulphate • dissolved reactive phosphorus • chloride • sodium • potassium • calcium • magnesium • ammoniacal nitrogen • nitrate nitrogen • soluble boron • soluble zinc • silica.
14	Taking into account the information on water levels required by Condition 13, the Consent Holder shall prepare a report reviewing the predictions about changes to the groundwater divide and reduction in baseflows of the Teviotdale Stream and Kate Creek resulting from reduced seepage to groundwater, as described in Appendix E, Volume 11 of the Transwaste Canterbury Ltd document, entitled "Kate Valley Regional Landfill Application, Assessment of Effects on the Environment", dated April 2002. This report shall be forwarded to the Canterbury Regional Council within 5 years of the grant of this consent and at five yearly intervals thereafter.
15	<p>The Consent Holder shall monitor for the following parameters once every year, to coincide with summer groundwater minimum:</p> <ul style="list-style-type: none"> • SVOCs • VOCs
16	All samples required under this consent shall be analysed using the most appropriate scientifically recognised and current method by a laboratory that is certified for that method of analysis by an accreditation authority such as International Accreditation New Zealand (IANZ). The results of all analyses shall be provided to the Canterbury

Conditions of Consent

	Regional Council within 30 working days of receipt of the results.
17	<p>The Consent Holder shall monitor water quality in Kate Creek and the Teviotdale Stream at or about the sampling locations shown on Supplementary Drawing 8(a) (attached). To this end, the Consent Holder shall monitor for the following parameters twice a year, to coincide with low flow during the winter groundwater level maximum (generally September) and summer groundwater minimum (generally April):</p> <ul style="list-style-type: none"> • estimate of flow • pH (field and laboratory) • conductivity (field and laboratory) • BOD5 • Chloride • Potassium • ammoniacal nitrogen • nitrate nitrogen • dissolved reactive phosphorous • potassium • total zinc • total boron • suspended solids. <p>Sampling shall be undertaken in accordance with protocols approved in writing by Canterbury Regional Council. The results of such monitoring shall be reported in writing to Canterbury Regional Council within two months of sampling.</p>
18	The Consent Holder shall monitor the volume of leachate withdrawn from the landfill and record this volume on a daily basis. This record shall be reported in writing to the Canterbury Regional Council by 1 October each year, unless otherwise specified in writing by the Canterbury Regional Council.
19	Water used for container or landfill face access vehicle washdown, shall be treated as leachate, with appropriate storage and treatment.
20	<p>The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of:</p> <ol style="list-style-type: none"> (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021915: to discharge to air, landfill gas, exhaust gases, dust, odour, and other contaminants from a Landfill. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	As a result of the activities authorised by this resource consent, there There shall be no objectionable odour or nuisance deposits of particulate matter or particulate matter that causes an adverse effect beyond the boundary of the land owned by the Consent Holder, or land over which the Consent Holder has rights, as a result of any of the consent holder's activities on the site.
3	No working-face shall exceed the dimensions of 30 m by 30 m at any time. The working face is defined as that area where refuse is being placed and compacted in its final location, and does not include the push-run area. The uncovered areas of the working face and the push-run area shall be kept to a practicable minimum and all necessary steps shall be taken to minimise odour from the working face and the push-run area. Refuse shall be covered with clean fill or soil cover to a minimum depth of 150mm at the end of each working day. Approved a Alternative daily cover materials, such as tarpaulins, may be used in lieu of the clean fill or soil cover, with the approval in writing from the Canterbury Regional Council. No refuse shall remain exposed overnight.
4	To minimise odour emission during handling of odorous special wastes the following measures shall be taken: (a) Vigilant attention and control of odorous loads entering the landfill, including the rejection of unexpected highly odorous loads. (b) Highly odorous loads will shall only be accepted if their disposal has been pre-booked, to ensure the following measures are prepared: (i) Availability of odour masking chemicals; (ii) An appropriately sized pit is available; (iii) Suitable meteorological conditions; and (iv) Suitable equipment being available. (c) Potentially odorous loads will shall be required to be delivered during the normal working day and covered as soon as practicable and in any event not later than one hour following placement. (d) Generators of potentially odorous wastes will shall be required to deliver the waste prior to putrefaction, where possible, or to apply suitable odour suppressing chemicals to the load before delivery. Loads not complying will shall be refused entry and only accepted after treatment.
5	The concentration of methane in monitoring probes outside the Landfill footprint shall not exceed 5% by volume.
6	There shall be no visible emission, other than water vapour, light, heat haze, or steam, from any Landfill gas flare.
7	The concentration of methane at the surface of Landfill areas with intermediate or final cover shall not exceed 0.5% by volume.
8	The residual Nitrogen content of landfill gas in all extraction wells shall not exceed 20% by volume or exceed 5% oxygen by volume.
9	The Consent Holder shall install a landfill gas extraction system in accordance with the plans included in the Application.
10	All extraction wells shall be connected to the gas extraction system as soon as practicable and in any case not longer than 12 months after placing wastes within the radius of influence of the wells. Gas venting from the wells prior to connection to the gas extraction system may be burnt by passive flares.
11	Except as provided in Condition 10, all extracted landfill gas shall be combusted in a flare or generator in accordance with the following: (a) Enclosed flares shall have the following minimum specifications: (i) flame arrester and backflow prevention devices, or similar equivalent system

Conditions of Consent

	<ul style="list-style-type: none"> (ii) continuous automatic ignition system (iii) automatic isolation systems to ensure that there is no discharge of unburnt landfill gas from the flare in the event of flame loss (iv) adequate sampling ports to enable emissions testing to be undertaken, and (v) provision of safe access to sampling ports while emissions tests are undertaken (vi) minimum temperature at 750 °C and retention time of 0.5 seconds (vii) a permanent temperature indicator at half a diameter from the top of the flare with a visual readout at ground level. <p>(b) Open flares shall comply with Condition <u>4211</u>(a)(i) and (ii) above.</p> <p>(c) Landfill gas fired generators shall comply with specifications 11(a)(i) to (a)(v) above.</p>
12	The gas collection and treatment system shall be restored as soon as practicable in the event of a malfunction or fault.
13	A walkover site inspection shall be undertaken no less frequently than weekly. Any evidence of actual or potential landfill gas leaks, such as odour, cracks in the Landfill surface, gas bubbles, leaks in the gas extraction system, or vegetation damage, shall be investigated. Where necessary remedial action shall be undertaken as soon as practicable to minimise fugitive gas discharges.
14	Methane concentrations shall be measured and recorded on a monthly basis in each of the monitoring probes as shown on the drawings in the Landfill Management Plan outside of the Landfill footprint to demonstrate compliance with Condition <u>65</u> .
15	Monitoring of surface emissions shall be carried out to demonstrate compliance with Condition <u>8-7</u> on a quarterly basis.
16	<p>Landfill gas shall be monitored at each extraction well head or, if more appropriate, at manifold points, on a 3 monthly basis. The following parameters shall be measured and recorded:</p> <ul style="list-style-type: none"> (a) gas flow rate (b) gas composition (% methane, % oxygen, % carbon dioxide) (c) gas temperature (d) ambient temperature (e) gas pressure (f) barometric pressure (g) ppm carbon monoxide if residual nitrogen exceeds 15%
17	<p>Until such time as a permanent landfill gas flare or utilisation station is installed, landfill gas (blended) shall be monitored at each flare station on a three monthly basis. The following parameters shall be measured and recorded:</p> <ul style="list-style-type: none"> (a) gas flow rate (b) composition (% methane, % oxygen, % carbon dioxide, ppm carbon monoxide) (c) gas temperature (d) ambient temperature (e) gas pressure (f) barometric pressure (g) hydrogen sulphide (h) total non-methane organic compounds.
18	<p>Once a permanent landfill gas flare or utilisation station is installed, landfill gas (blended) shall be monitored on a continuous basis and recorded electronically;</p> <ul style="list-style-type: none"> (a) gas flow rate (b) composition (% methane, % oxygen, % carbon dioxide, ppm carbon monoxide) (c) gas temperature (d) gas pressure
19	Once a permanent landfill gas flare or utilisation station is installed, landfill gas (blended) shall be monitored on a six-monthly basis. The following parameters shall be

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	<p>measured and recorded:</p> <ul style="list-style-type: none"> (a) hydrogen sulphide (b) total non-methane organic compounds.
20	<p>The Consent Holder shall measure and record on site weather conditions every 30 minutes. The parameters measured shall include:</p> <ul style="list-style-type: none"> (e) wind velocity and direction (f) barometric pressure (g) rainfall, and (h) temperature.
21	<p>The Consent Holder shall notify the Canterbury Regional Council of any complaints received by the Consent Holder regarding odour or dust as soon as practicable, and no longer than one working day after the complaint is received.</p>
22	<p>When complaints regarding objectionable or offensive odour or dust are received by the Consent Holder, the Consent Holder shall record the following details in a complaint log:</p> <ul style="list-style-type: none"> (a) type and time of complaint; (b) name and address of complainant (if available); (c) location from which the complaint arose; (d) wind direction at the time of complaint; (e) the likely cause of the complaint; (f) the response made by the Consent Holder; and (g) action taken or proposed as a result of the complaint. <p>The complaint log shall be available to the Canterbury Regional Council and Hurunui District Council at all times, on request.</p>
23	<p>The Consent Holder shall maintain a log of all inspections, investigations and actions taken with respect to the landfill gas system.</p>
24	<p>The Consent Holder shall submit a summary of landfill gas monitoring results to the Peer Review Panel at the end of each year.</p>
25	<p>The Consent Holder shall include within the Landfill Management Plan provisions setting out how the Landfill Gas Collection and Treatment system will be maintained to comply with all conditions.</p>
26	<p>If monitoring demonstrates that the methane gas concentration limit specified in Condition 8 is exceeded, then remedial action shall be carried out and the concentrations re-tested within 14 days. If this is not practicable, the Consent Holder shall prepare a programme of remedial action, including a timetable, within 14 days of the exceedance. The proposed programme shall be implemented within the proposed time period.</p>
27	<p>The Consent Holder shall provide sufficient on-site electrical generation, or other appropriate measures, to ensure the operation of landfill gas flare equipment is not interrupted for more than two hours through loss of mains power supply.</p>
28	<p>The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of:</p> <ul style="list-style-type: none"> (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A WATER PERMIT CRC021916: to take and use up to 40,000 cubic metres per year of surface water from Pump Creek for a potable water supply at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	The taking of surface water is authorised only for the potable water supply as shown on the Drawing C3 General Site Arrangement.
3	The Consent Holder shall monitor the quantity of water taken from the potable water supply system. The volume of surface water taken shall be recorded at monthly intervals. The annual volume of surface water shall be reported in writing to Canterbury Regional Council by 1 October each year for the period up to 30 June.
4	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: <ul style="list-style-type: none"> (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
5	The abstraction of water in terms of this permit shall be limited to basic domestic requirements for site staff whenever the flow in Pump Creek is at or below one litre per second.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A WATER PERMIT CRC021917: to take groundwater. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District.	
SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Groundwater shall only be taken from a groundwater under-drainage system installed beneath the Landfill footprint, or in related slope cuts or relief drains needed to enable Landfill construction.
3	The Consent Holder shall measure the volume of groundwater taken from the groundwater under-drainage system. This shall be recorded.. The volume of groundwater per month shall be reported in writing to the Canterbury Regional Council by 1 October every year.
4	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: <ul style="list-style-type: none"> (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021918: to discharge groundwater into water. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District.	
SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Any groundwater under-drainage flows shall be discharged to the surface water drainage system and routed through the sedimentation pond.
3	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: <ul style="list-style-type: none"> (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021919: to divert stormwater from a landfill and dam water in constructed sedimentation ponds at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Suitable scour protection of concrete, rock or timber construction shall be placed at the beginning and end of the diversion channel and, if needed to prevent scour, at intermediate locations.
3	All permanent diversion channels shall be designed to manage a 1% AEP (Annual Exceedance Probability) design flood. Bench drains and other temporary drains shall be designed for the 20% AEP event. Diversion channels shall be designed such that if this capacity is exceeded the preferential (secondary) flow path is, as far as practicable, away from the Landfill.
4	The primary sedimentation pond shall be designed in accordance with the Auckland Regional Council publication “ <i>Erosion and Sedimentation Control – Guidelines for Land Disturbing Activities ARCTP90 March 99</i> ”.
5	Diversion channels and cut-off drains shall be maintained to minimise the infiltration and run-off of stormwater onto the Landfill from areas outside the Landfill footprint.
6	All diverted stormwater shall be treated in the sedimentation ponds as shown on the Drawing C3 General Site Arrangement.
7	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
8	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the ARC Technical Publication “ <i>TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities – March 1999</i> ”.
9	The sedimentation ponds shall be designed to manage a 10% AEP design flood, with provision to pass a 1% AEP design flood.
10	The Consent Holder shall be solely responsible for the structural integrity and maintenance of all dam works, and for any erosion control and energy dissipation works that become necessary as a result of the exercise of this consent. To this end, all channels shall be engineered to preclude excessive channel erosion at peak velocities.
11	The volume of water dammed in the sedimentation pond shall not exceed 30,000 cubic metres.
12	The sedimentation pond dam shall be designed, constructed and monitored following the procedures set out in the NZSOLD Guidelines November 2000, and the procedures shall be reviewed by the Peer Review Panel. During construction, the dam works shall have the capacity to pass an event with an ARI of 10 years.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021920: to discharge treated stormwater from a Landfill into Kate Creek at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Scour protection works of concrete, rock or timber construction shall be placed at the outlet of the sedimentation ponds to prevent scour.
3	<p>The Consent Holder shall continuously monitor (15-minute readings) water entering the sedimentation pond and water flowing out of the pond outlet for the following parameters:</p> <ul style="list-style-type: none"> • pH • conductivity. <p>Trigger levels to indicate potential leachate contamination shall be set using the following: PH = the mean plus or minus three standard deviations of baseline stormwater pH data from three months of continuous monitoring of the upper Kate Creek surface water system prior to refuse deposition. Conductivity = the mean plus three standard deviations of baseline stormwater conductivity data from three months of continuous monitoring of the upper Kate Creek surface water system prior to refuse deposition.</p>
4	The monitoring system shall be fitted with an alarm to indicate when trigger levels for pH and-or conductivity have been exceeded at either the pond inlet or the outlet. The sedimentation pond shall be configured such that in the case of contamination being detected at the outlet, the outflow can be stopped for conditions which do not result in flow over the auxiliary spillway, and shall include provision for pumping to enable contaminated stormwater to be recirculated to the Landfill or diverted to the leachate system for treatment as leachate.
5	<p>If the trigger levels for continuous pH and conductivity monitoring are exceeded, the Consent Holder shall take a grab sample of water and analyse this sample for the parameters listed below:</p> <ul style="list-style-type: none"> • pH • conductivity • ammoniacal nitrogen • nitrate nitrogen • alkalinity • chloride • potassium • total organic carbon <p>Sampling shall be undertaken in accordance with protocols approved in writing by Canterbury Regional Council. The results of the grab sample analysis shall be reported to Canterbury Regional Council within two weeks of sampling, unless otherwise agreed in writing by Canterbury Regional Council.</p>
6	If monitoring of the discharge system indicates leachate contamination, then the Consent Holder shall take immediate steps to prevent further leachate contamination.

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7	The Consent Holder shall immediately report to Canterbury Regional Council on actions taken and further actions proposed to address leachate contamination.
8	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
9	The point of compliance is the outlet to the water supply pond, as shown on Drawing C3. An indicator monitoring point shall be established at the outlet to the sedimentation pond as shown on the drawings in the Monitoring and Contingency part of the Landfill Management Plan.
10	All water quality sample analyses required shall be undertaken using standard methods as detailed in the "Standard Methods for the Examination of Water and Waste Water 1998", 20 th edition by APHA and AWWA and WEF or by some other method approved in advance in writing by Environment Canterbury. A laboratory that is accredited to ISO/IEC Guide 25 for those specific tests shall carry out all testing.
11	The Canterbury Regional Council will shall be informed of the trigger levels set in condition 3 of this consent, and the data and calculations used to determine these trigger levels.
12	No stormwater coming into contact with refuse shall be discharged as stormwater, but instead shall be considered as leachate and discharged into the leachate collection system.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A WATER PERMIT CRC021921: to take and use up to 200,000 cubic metres of surface water per year, for a water supply for a Landfill and associated activities, including the realignment, reconstruction, and upgrading of part of Mt Cass Road at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	The taking of surface water is authorised only for the Landfill and associated activities, including the realignment, reconstruction, and upgrading of part of Mt Cass Road.
3	The Consent Holder shall monitor the quantity of surface water taken for the water supply system. The volume of water taken shall be recorded at monthly intervals. The annual volume of water taken in the preceding year up to 30 June, shall be reported in writing to Canterbury Regional Council by 1 October.
4	The rate of take shall not exceed 200,000 cubic metres per year.
5	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A WATER PERMIT CRC021922: to divert and dam water in a constructed water storage pond at Tiromoana Station, Mt Cass Road DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Suitable scour protection of concrete, rock or timber construction shall be placed at the beginning and end of diversion channels and, if needed to prevent scour, at intermediate locations.
3	For stormwater flows in excess of the capacity of the primary structure, a secondary flow path shall be provided and maintained to allow surplus stormwater from critical storms, up to the 0.01% Annual Exceedance Probability, to discharge with a minimum of nuisance and damage.
4	A flow of at least 1.5 litres per second shall be maintained in Kate Creek downstream of the monitoring point on the outlet of the water storage dam (as shown on the drawings in the Landfill Management Plan), whenever the water storage dam is receiving an inflow.
5	The Consent Holder shall be responsible for the structural integrity and maintenance of all dam works, and for any erosion control and energy dissipation works that become necessary as a result of the exercise of this consent. To this end, all channels shall be engineered to preclude excessive channel erosion at peak velocities.
6	The volume of water dammed in the water storage pond shall not exceed 200,000 cubic metres.
7	The water storage dam shall be designed, constructed and monitored following the procedures set out in the NZSOLD Guidelines November 2000, and the procedures shall be reviewed by the Peer Review Panel.
8	The dam shall be constructed to a standard for a flood with an ARI of 100 years for the service spillway, and a flood with an ARI of 10,000 years for emergency spillway design. During construction, the dam works shall have the capacity to pass an event with an ARI of 10 years
9	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021923: to discharge water from a water storage dam into Kate Creek at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	There shall be no discharge at the point of compliance that results in any of the following effects: (a) the production of any conspicuous oil or grease film, scums or foams or floatable or suspended material; (b) any conspicuous change in colour or visual clarity; (c) the rendering of freshwater unsuitable for consumption by farm animals; (d) any significant adverse effect on aquatic life in Kate Creek downstream of the discharge point.
3	Scour protection works of concrete, rock or timber construction shall be placed at the outlet of the dam to prevent scour.
4	The Consent Holder shall continuously monitor (15-minute readings) water flowing out of the outlet for the following parameters: <ul style="list-style-type: none"> • pH • conductivity Trigger levels to indicate potential leachate contamination shall be set using the following: PH = the mean plus or minus three standard deviations of baseline stormwater pH data from three months of continuous monitoring of the upper Kate Creek surface water system prior to refuse deposition. Conductivity = the mean plus three standard deviations of baseline stormwater conductivity data from three months of continuous monitoring of the upper Kate Creek surface water system prior to refuse deposition. The monitoring system shall be fitted with an alarm to indicate when trigger levels for pH and <u>or</u> conductivity have been exceeded at the outlet. The dam shall be configured such that in the case of contamination being detected at the outlet, the outflow can be stopped for conditions which do not result in flow over the auxiliary spillway, and shall include provision for pumping to enable contaminated stormwater to be recirculated to the Landfill or diverted to the leachate system for treatment as leachate.
5	The Consent Holder shall monitor the water in the water supply pond every three months, for the following parameters: <ul style="list-style-type: none"> • pH • conductivity • ammoniacal nitrogen • nitrate nitrogen • alkalinity • chloride • potassium • total organic carbon

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	<ul style="list-style-type: none"> • soluble zinc • COD <p>Sampling shall be undertaken in accordance with protocols approved in writing by Canterbury Regional Council. The results of such monitoring shall be reported in writing to Canterbury Regional Council within two months of sampling.</p>
6	<p>If the trigger levels for continuous pH and conductivity monitoring are exceeded, the Consent Holder shall take a grab sample of water and analyse this sample for the parameters listed in Condition 65 of this consent. The results of the grab sample analysis shall be reported to Canterbury Regional Council within two weeks of sampling, unless otherwise agreed in writing by Canterbury Regional Council.</p>
7	<p>If monitoring of the stormwater discharge system indicates leachate contamination, then the Consent Holder shall immediately report to Canterbury Regional Council on actions taken and further actions proposed to address leachate contamination.</p>
8	<p>The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of:</p> <ul style="list-style-type: none"> (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
9	<p>The point of compliance is the outlet to the water supply pond, as shown on Drawing C3. An indicator monitoring point shall be established at the outlet to the sedimentation pond as shown on the drawings in the Monitoring and Contingency part of the Landfill Management Plan.</p>
10	<p>All water quality sample analyses required shall be undertaken using standard methods as detailed in the "Standard Methods for the Examination of Water and Waste Water 1998", 20th edition by APHA and AWWA and WEF or by some other method approved in advance in writing by Canterbury Regional Council. A laboratory that is accredited to ISO/IEC Guide 25 for those specific tests shall carry out all testing.</p>
11	<p>The Canterbury Regional Council willshall be informed of the trigger levels set in condition 4 of this consent, and the data and calculations used to determine these trigger levels.</p>

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PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A LAND USE CONSENT CRC021924: to disturb the beds of Kate Creek by constructing a Landfill, a sedimentation pond, a water storage dam, a weir, and associated roads and tracks, and erect structures and trees within 7.3 m of a waterway at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Works shall not cause erosion of the banks or bed of the streams.
3	Machinery shall be free of plants and plant seeds prior to use in the riverbed.
4	All practicable measures shall be undertaken to minimise adverse effects on property, amenity values, wildlife, vegetation and ecological values.
5	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
6	The suspended sediment concentration in Kate Creek during dam construction, measured at the point of compliance 300m downstream of the weir, shall be no more than 10% higher than the concentration measured 100 m upstream of the site of the dam construction.
7	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the ARC Technical Publication “ <i>TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities – March 1999.</i> ”
8	There shall be no storage of fuel or refuelling of machinery anywhere in the bed of the river.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A LAND USE CONSENT CRC021925: to disturb the beds of Wash Creek by erecting a culvert, embankment, and water storage dam and erect structures and trees within 7.3 m of a waterway at Tiromoana Station, Mt Cass Road. DURATION: 5 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omih Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	The exercise of this consent shall not increase the suspended sediment concentration of the water by more than 50 grams per cubic metre at any point further than 300 metres downstream of the water storage dam.
3	The works shall be carried out in accordance with the details submitted in the consent Application.
4	Works shall not cause erosion of the banks or bed of the streams.
5	Machinery shall be free of plants and plant seeds prior to use in the riverbed.
6	All practicable measures shall be undertaken to minimise adverse effects on property, amenity values, wildlife, vegetation and ecological values.
7	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the ARC Technical Publication "TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities March 99".
8	There shall be no storage of fuel or refuelling of vehicles or machinery anywhere in the bed of the river.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A WATER PERMIT CRC021926: to divert and dam water in Wash Creek by erecting a culvert at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Suitable scour protection of concrete, rock or timber construction shall be placed at the beginning and end of diversion channels and, if needed to prevent scour, at intermediate locations.
3	The capacity of the primary structure shall allow surplus stormwater from critical storms, up to the 0.01% Annual Exceedance Probability, to discharge with a minimum of nuisance and damage.
4	The diversion of water shall not impede the passage of fish or cause fish stranding.
5	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: <ul style="list-style-type: none"> (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A WATER PERMIT CRC021927: to divert and dam water in a constructed water storage pond for stockwater supply in Wash Creek at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Suitable scour protection of concrete, rock or timber construction shall be placed at the beginning and end of diversion channels and, if needed to prevent scour, at intermediate locations.
3	For stormwater flows in excess of the capacity of the primary structure, a secondary flow path shall be provided and maintained to allow surplus stormwater from critical storms, up to 0.1% Annual Exceedance Probability, to discharge with a minimum of nuisance and damage.
4	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
5	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the ARC Technical Publication "TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities March 99".
6	The damming of water in Wash Creek shall not impede the passage of fish.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A WATER PERMIT CRC021929: to divert and dam water in a constructed weir in Kate Creek at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	Suitable scour protection of concrete, rock or timber construction shall be placed at the beginning and end of diversion channels and, if needed to prevent scour, at intermediate locations.
3	For stormwater flows in excess of the capacity of the primary structure, a secondary flow path shall be provided and maintained to allow surplus stormwater from critical storms, up to 1% Annual Exceedance Probability, to discharge with a minimum of nuisance and damage.
4	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
5	The Consent Holder shall be responsible for the structural integrity and maintenance of all dam works, and for any erosion control and energy dissipation works that become necessary as a result of the exercise of this consent. To this end all channels shall be engineered to preclude excessive channel erosion at peak velocities.
6	The diversion and damming shall not impede fish passage or cause fish stranding.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021930: to discharge water from a weir into Kate Creek at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	There shall be no discharge at the point of compliance, which is located 300 metres downstream of the weir, that results in any of the following effects: (a) the production of any conspicuous oil or grease film, scums or foams or floatable or suspended material; (b) any conspicuous change in colour or visual clarity; (c) the rendering of freshwater unsuitable for consumption by farm animals; (d) any significant adverse effect on aquatic life in Kate Creek downstream of the discharge point.
3	Scour protection works of concrete, rock or timber construction shall be placed at the outlet of the weir to prevent scour.
4	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A DISCHARGE PERMIT CRC021931: to discharge water and sediment to land in circumstances that may result in a discharge to water of Wash Creek and Kate Creek and their unnamed tributaries, associated with constructing and operating a Landfill and associated culverts, embankments, roads and tracks, construction of a sedimentation pond, two water storage ponds, and a weir at Tiromoana Station, Mt Cass Road. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District. SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	General earthworks and sediment control measures shall be constructed and carried out in accordance with the principles contained within the ARC Technical Publication “TP90 Erosion and Sediment Control – Guidelines for Land Disturbing Activities March 99”.
3	All investigations, design, supervision of construction, operation, monitoring and aftercare shall be undertaken by a Registered Engineer experienced in such works, or works of a similar nature.
4	The Consent Holder shall construct and maintain appropriate stormwater management measures, including drains and sediment traps for the interception and treatment of stormwater run off from the works. These measures shall remain in place over the duration of the construction period and for a period following construction to allow suitable cover of vegetation to establish on restored areas.
5	The Canterbury Regional Council may, on any one of the last five working days of June each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

Conditions of Consent

PROPOSED RESOURCE CONSENT <i>Pursuant to Section 105 of the Resource Management Act 1991</i> THE CANTERBURY REGIONAL COUNCIL	
GRANTS TO: TRANSWASTE CANTERBURY LIMITED A LAND USE PERMIT CRC022020: to install and use above-ground storage tanks. DURATION: 35 years IN CONNECTION WITH THE FOLLOWING PROPERTY: LOCATION: 666 MT CASS ROAD, WAIPARA LEGAL DESCRIPTION: contained within Sections 1, 3, 4, 5, 6 and 7 S.O.18668, Sections 8, 9, 12 and 14 S.O.18669 and Section 15 S.O.18670, all comprised in Certificate of Title CB35D/977; Rural Section 38811 comprised in Certificate of Title CB3A/26; Part Bed of Omihi Stream; and Part Section 2 S.O.10082, Parts Rural Section 22646, Parts Rural Section 22646X and Parts Rural Section 25242, more particularly defined as parcels B and C on S.O.17195, which are Crown Land by Gazette 1963 p65 and by Transfer 573383 all in the Canterbury Land District.	
SUBJECT TO THE FOLLOWING CONDITIONS:	
1	This consent is subject to the general conditions listed in Schedule 1 – General Conditions.
2	A series of 25 cubic metre tanks shall be placed on site and used to store leachate collected from the Landfill, prior to its removal from the site via road tanker.
3	The number of tanks on site at any one time shall depend on the volume of leachate produced but shall be sufficient to provide five days worth of storage.
4	The tanks, transfer pump and surrounding truck load-out area shall be located within a bund designed to contain 125% of the maximum volume of leachate stored.
5	The Consent Holder shall undertake measures to prevent the generation of odour from the leachate storage tanks. These measures may include but not be limited to: (a) The sealing of storage tanks; and (b) The use of biofilters; and (c) Aeration devices fitted to the tanks.
6	The storage tanks and pump-station shall be fitted with alarms and a telemetry system. The alarm shall be triggered when leachate stored in the tanks reaches a certain level.
7	Design plans of the storage tanks and bunded facility shall be provided to the Canterbury Regional council prior to works commencing.
8	A “Storage Tank Installation Certificate” shall be signed by the person responsible for the construction and installation of the leachate storage facility or a person competent in the construction and installation of such facilities. This certificate shall be submitted to the Canterbury Regional Council within one month of construction of the storage facility and shall certify that the storage facility is installed and constructed in accordance with Conditions (1) – (7) of this consent.
9	The storage tanks, containment bund, transfer pump, alarms and telemetry system shall be maintained in an operational state at all times.
10	The Consent Holder shall include within the Landfill Management Plan provisions for the storage, handling, use or disposal of hazardous materials, chemicals and waste.
11	Where spillages occur, the Consent Holder shall ensure that all spilled materials and contaminated soil and stormwater are properly contained, pumped or removed into suitable holding containers and removed from site.
12	The Consent Holder shall ensure that all site personnel are trained in hazardous material and waste handling and spill contingency and emergency procedures.
13	The Canterbury Regional Council may, on any one of the last five working days of June or November each year, serve notice of its intention to review the conditions of this consent for the purposes of: (a) dealing with any adverse effect on the environment which may arise from the exercise of this consent and which it is appropriate to deal with at a later stage; or (b) requiring the adoption of the best practicable option to remove or reduce any adverse effect on the environment.