

DES-APP1

Manawatū District Council: Notice of Requirement for Designation MDC26

Conditions Imposed on Designation MDC26: Land Irrigation of Treated Wastewater From the Feilding Wastewater Treatment Plant

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No.	Conditions
Irrigation Setback Distances form Boundaries (excluding end guns)	
NOR1	<p>The Requiring Authority shall at all times ensure that no irrigation using treated wastewater occurs within 40 metres of any boundary except that:</p> <ul style="list-style-type: none"> a) Once the coniferous trees planted as a shelterbelt or screen within any buffer reach a minimum <i>height</i> of 5 metres and form a continuous buffer as defined in Condition NOR 1A, the Requiring Authority shall ensure that no irrigation of treated wastewater occurs within 30 metres of any boundary adjoining the relevant shelterbelt or screen; and b) The strip of coniferous trees planted as a shelterbelt or screen nearest the land irrigation area within any buffer area may be irrigated with treated wastewater using drip-line irrigation or surface-laid irrigation system; and c) The extent of buffers referred to in this condition are shown on Plan IL21/8/14 contained in Attachment A.
NOR1A	<p>The minimum <i>height</i> referred to in Condition NOR1 shall be considered to be reached when 80% of the coniferous trees in any contiguous 40m length are more than 5 metres in <i>height</i> and the 20% of trees that do not meet the 5-metre <i>height</i> minimum should be widely spread and must not be contiguous.</p>
NOR2	<p>Separation Distances From Existing Dwellings</p> <p>The Requiring Authority must ensure that the following separation distances are maintained at all times:</p> <ul style="list-style-type: none"> a) 150 metres between any operating centre pivot irrigators (excluding end guns) and any dwelling in existence prior to 31st August 2014; and b) 300 metres between any operating end guns and any dwelling in existence prior to 31st August 2014; except that

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These separation distances may be reduced if the Requiring Authority submits to the Principal Planning Advisor (Manawatū District Council) the prior written approval of the owner(s) of those dwellings. Any such written approval will be held by the Manawatū District Council on the relevant property file and will be made available on request.

Additional Separation Distance for End Guns

NOR3 The Requiring Authority shall ensure that:

- a) No end gun shall be operated until the exotic buffer planting has reached a 5-metre-high continuous buffer; and
- b) No end guns are operated at any time within 150 metres of the boundary of Part Section 153 Town of Sandon shown on the Plan in Attachment B.

Setback From Stand of Indigenous Trees

NOR4 The Requiring Authority shall ensure that the land application of treated wastewater shall not occur within 15 metres of the line established by GPS coordinates supplied by Central Surveys Limited (reference CDS089) dated 26th August 2014 which delineates the dripline of the stand of indigenous native trees in the approximate centre of the land irrigation area shown on Plan CDS089_26_8_2014 (contained in Attachment 'D').

Noise Standards

NOR5

- a) Noise from activities undertaken in accordance with the designation (except for construction activities) shall not exceed the following limits when measured at the boundary of any dwelling in existence prior to 31st August 2014:
 - i. 6:00 am to 7:00 pm 55dB LAeq (15 mins).
 - ii. 7:00 pm to 10:00 pm 50dB LAeq (15 mins).
 - iii. 10:00 pm to 6:00 am 45dB LAeq (15 mins).
 - iv. 10:00 pm to 6:00 am 65dB LAFmax

Noise shall be measured in accordance with NZS 6801:2008 Acoustics – Measurements of Environmental Sound, and assessed in accordance with NZS 6802:2008 Acoustics – Environmental Noise.
- b) When the permit holder undertakes spray drift testing at the *site* adjacent to the southern boundary where the centre pivot is tested, a suitably qualified and experienced person shall also carry out noise measurements of the irrigation equipment. The results of the noise measurements shall be provided to the Manawatū District Council's Principal Planning Advisor and the Neighbouring Property Owners and Residents Group within 20 working days of completion of the tests.

Hazard Warning Signs and Restriction on Public Access

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NOR6	Prior to the proposed public walkway being made available to the public , the Requiring Authority shall erect information <i>signs</i> within the <i>site</i> , at each end of each walkway, informing the public of activities on the <i>site</i> and the restrictions on public access to the irrigation area. Similar information <i>signs</i> must also be erected every 500m stating 'no entry' to the irrigation area.
NOR7	The Requiring Authority shall ensure that all gates providing access into the irrigation area shall be locked at all times to restrict public access.
Walkway & Cycleway	
NOR8	<p>Within ten years of land application of treated wastewater commencing the Requiring Authority must construct and maintain a walkway within a minimum width of two metres:</p> <ul style="list-style-type: none"> a) From the wastewater treatment plant access driveway to Boness <i>Road</i> along the bank of the Oroua River; and b) Between Boness <i>Road</i> and Kawakawa <i>Road</i> within the buffer area; <p>generally as shown on amended Figure 10-26 (contained in Attachment E).</p>
Protection of Electricity Transmission Lines	
NOR9	<p>The Requiring Authority and its employees and contractors shall take all practicable measures to avoid or minimise spray or spray drift onto electricity transmission support structures so that any discharges of wastewater from the irrigation activities do not create a hazard or nuisance to the electricity distribution and sub-transmission lines.</p> <p>Advise Note: All machinery, mobile plant and irrigation systems will need to maintain a minimum clearance distance of 4 metres from the electricity line conductors at all times.</p> <p>Please refer to NZECP 34:2001 for further details about safe distances of mobile plant from conductors.</p>
Access For Purposes of Identifying Potential Burial Site	
NOR10	The Requiring Authority shall confirm the exact location of the burial <i>site</i> within the southern area of land near the Oroua River within the irrigation area through discussions with Ngāti Kauwhata. The Requiring Authority shall avoid irrigating treated wastewater on that identified location until such time as agreement is obtained from Ngā Kaitiaki o Ngāti Kauwhata Incorporated to do so.
Buffer Management Plan	
NOR11	<p>No later than 3 months prior to the commencement of the planting required by Condition NOR11, the Requiring Authority shall submit to the Community Facilities Manager at Manawatū District <i>Council</i> a Buffer Management Plan (BMP). The purpose of the BMP shall be to specify the requirements for establishment and maintenance in good condition of a permanent planted buffer surrounding the <i>site</i> in accordance with the concept design submitted in Appendix 'N' of the AEE. The BMP shall include but not be limited to:</p> <ul style="list-style-type: none"> i. A plan detailing the proposed buffer planting concept;

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	<ul style="list-style-type: none"> ii. Methods of good husbandry, including ground preparation, planting method, trimming and maintenance programme required to ensure the buffer planting around the perimeter of the irrigation area in the location shown on Plan IL21/8/14 includes a densely-planted vegetative screen with low porosity that will grow rapidly to a minimum of 5 metres <i>height</i> around the perimeter of the proposed irrigation area; iii. The name and contact details of the person or company responsible for establishing and maintaining the buffer planting iv. The proposed staging of planting within the buffer areas; v. The plant species to be used within different parts of the buffer areas and the locations in which they will be used; vi. Proposed plant depths; vii. Irrigation required to enable the plants to become established; viii. Measures to be employed to manage pests and diseases and potential frost damage; ix. Monitoring actions and frequency proposed to detect dead or dying or diseased or damaged plants; x. The intended actions to achieve <i>replacement</i> of dead, or dying or damaged plants so as to ensure the maintenance of the intended planting concept on an on-going basis; xi. The timing and scope of any review of the BMP.
NOR12	No planting shall commence within the buffer areas until the Community Facilities Manager, Manawatū District <i>Council</i> , certifies in writing that the BMP fulfils the requirements of Condition NOR11.
NOR13	The Requiring Authority shall initiate planting of the buffers in accordance with the BMP, within the first planting season after the commencement of this designation. The buffer areas may be planted in stages, in accordance with the staging specified in the approved BMP provided that the first stage includes planting of the buffer adjoining the private properties along Boness <i>Road</i> and extending along the Home Farm boundary with Makino (Mangakino) Stream.