

Permit

Environmental Protection Act 1994

Environmental authority EPPR01236413

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

Environmental authority number: EPPR01236413

Environmental authority takes effect on 17-01-2020

Environmental authority holder(s)

Name(s)	Registered address
WELLCAMP BUSINESS PARK PTY LTD	1511 Toowoomba Cecil Plains Rd WELLCAMP QLD 4350 Australia

Environmentally relevant activity and location details

Environmentally relevant activity/activities	Location(s)
ERA 63 - Sewage Treatment 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of (b-i) more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	Lot 11 on SP140293
ERA 63 - Sewage Treatment 1: Operating sewage treatment works, other than no-release works, with a total daily peak design capacity of (b-i) more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme	Lot 17 on D3590

Additional information for applicants

Environmentally relevant activities

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

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

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

Contaminated land

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

- the happening of an event involving a hazardous contaminant on the contaminated land (notice must be given within 24 hours); or
- a change in the condition of the contaminated land (notice must be given within 24 hours); or
- a notifiable activity (as defined in Schedule 3) having been carried out, or is being carried out, on the contaminated land (notice must be given within 20 business days);

that is causing, or is reasonably likely to cause, serious or material environmental harm.

For further information, including the form for giving written notice, refer to the Queensland Government website www.qld.gov.au, using the search term 'duty to notify'.

Take effect

Please note that, in accordance with section 200 of the EP Act, an EA has effect:

- a) if the authority is for a prescribed ERA and it states that it takes effect on the day nominated by the holder of the authority in a written notice given to the administering authority-on the nominated day; or
- b) if the authority states a day or an event for it to take effect-on the stated day or when the stated event happens; or
- c) otherwise-on the day the authority is issued.

However, if the EA is authorising an activity that requires an additional authorisation (a relevant tenure for a resource activity, a development permit under the *Planning Act 2016* or an SDA Approval under the *State Development and Public Works Organisation Act 1971*), this EA will not take effect until the additional authorisation has taken effect.

If this EA takes effect when the additional authorisation takes effect, you must provide the administering authority written notice within 5 business days of receiving notification of the related additional authorisation taking effect.

If you have incorrectly claimed that an additional authorisation is not required, carrying out the ERA without the additional authorisation is not legal and could result in your prosecution for providing false or misleading information or operating without a valid environmental authority.

Mark Franco
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Date issued: 17 January 2020

Enquiries:
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Assessment
Department of Environment and Science

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Obligations under the *Environmental Protection Act 1994*

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

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

Conditions of environmental authority

Scope 1

This approval is subject to the condition that the information supplied for the purpose of review and assessment of this approval is valid and the administering authority has no other information which would lead to different conclusions. This includes the processes describing the effluent treatment process, treatment and irrigation location including characteristics of the area and process volumes.

Scope 2

The main treatment components are listed in Table 1: Main Treatment Components.

Table 1: Main Treatment Components

Treatment Stage	Size
Design Hydraulic Loading	100 kL/day
Wet Weather Storage Dam	10 ML
Irrigation Area	15 Ha

Environmentally relevant activity	Location
ERA 63-1 (b)(i) - Sewage Treatment more than 100 but not more than 1500EP if treated effluent is discharged from the works to an infiltration trench or through an irrigation scheme.	1511 Toowoomba Cecil Plains Road, Wellcamp, 4350 Lot 17 on CP D3590 Part of Lot 11 on SP272154

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

Agency interest: General	
Condition number	Condition
G1	The activity must be undertaken in accordance with written procedures that: 1. identify potential risks to the environment from the activity during routine operations and emergencies; and 2. establish and maintain control measures that minimise the potential for environmental harm; and 3. ensure plant, equipment and measures are maintained in a proper and effective condition; and

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	4. ensure plant, equipment and measures are operated in a proper and effective manner; and 5. ensure that staff are trained and aware of their obligations under the <i>Environmental Protection Act 1994</i>; and 6. ensure that reviews of environmental performance are undertaken at least annually.
G2	The activity must not cause environmental nuisance at a nuisance sensitive place.
G3	All documents required by conditions of this authority must be kept for at least five years.
G4	All chemicals and fuels must be stored within a secondary containment system and must be adequate to prevent release to the environment.
G5	A copy of this environmental authority must be kept in a location readily accessible to personnel carrying out the activity.
G6	Prior to commissioning the sewage treatment works to which this approval relates, a site based management plan (SBMP) must be implemented. The SBMP must identify all sources of environmental harm, including but not limited to the actual and potential release of any contaminants, the potential impact of these contaminants and what actions will be taken to prevent the likelihood of environmental harm being caused. The SBMP must be kept on site and provided to the administering authority on request.
G7	The SBMP must not be implemented or amended in a way that contravenes any condition of this approval.
G8	An up-to-date copy of the SBMP must be: a) kept at the premises to which this environmental authority relates; b) readily accessible to personnel that are carrying out the ERA; c) updated at a minimum of every 3 years.
G9	A record must be maintained, and be available for inspection upon request, of at least the following events; a) any uncontrolled release of contaminants; and b) the time, date and duration of equipment malfunctions leading to the release of contaminants reasonably likely to cause environmental harm; and c) any incident involving the release of contaminant likely to cause material or serious environmental harm.
G10	The registered operator or anyone operating under the registered operator's control must telephone the department's Pollution Hotline on 1300 130 372 (or successive public reporting facility maintained by the administering authority) as soon as practicable after becoming aware of any release of contaminants not in accordance with the conditions of this approval.
G11	The notification of incidents as required by condition G10 must include but not be limited to the following information: a) the environmental authority number and name of the registered operator; and b) the name and telephone number of the designated contact person; c) the location of the emergency or incident; d) the date and time of the incident; e) the time the notifying person and the registered operator became aware of the incident; f) the estimated quantity and type of any substances involved in the incident; g) the actual or potential suspected cause of the incident;

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	h) a description of the effects of the incident including any environmental harm that has occurred or may occur as a result of the incident; i) any sampling conducted or proposed, relevant to the emergency or incident; and j) actions taken to prevent any further impacts as a result of the incident; k) actions taken to mitigate any environmental harm or nuisance being caused by the incident.
G12	All analyses and tests required to be conducted under this approval must be carried out by a laboratory that has NATA certification for such analyses and tests, except as otherwise authorised in writing by the administering authority.
G13	A measuring device must be installed and operated to record the total volume of treated effluent applied daily to the irrigation area. A record of this data must be maintained and kept up-to-date.
Agency interest: Water	
Condition number	Condition
W1	Contaminants must not be released to any waters.
W2	Release of stormwater contaminated by the activity must be managed to minimise or prevent any potential adverse effect on the environmental values of the receiving environment.
W3	Ponds used for the storage or treatment of effluent or wastes must be constructed, installed and maintained to: - o prevent any release of water, wastes or contaminants from the ponds to any waters - o prevent overflows during wet weather - o ensure the stability of the pond structure
W4	The environmentally relevant activities must be carried out to: (a) prevent the overland flow of stormwater into the effluent irrigation area, (defined in Attachment 1); (b) prevent the contact of stormwater runoff with untreated sewage effluent or wastes; and (c) prevent release of any contaminated runoff from the boundary of the irrigation area.
Agency interest: Noise	
Condition number	Condition
N1	When requested by the administering authority, a noise investigation must be undertaken to investigate any complaint of noise nuisance, and the results notified within 14 days to the administering authority.
Agency interest: Land	
Condition number	Condition
L1	Contaminants may not be released to land other than in accordance with this authority.

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L2	Treated effluent is permitted to be released to land specified as the irrigation area, (see Attachment 1), provided that it is undertaken in accordance with a written procedure to ensure that: - infiltration to groundwater and subsurface flows of contaminants to surface waters are prevented; surface pondage and run-off of effluent is prevented; - the release of treated effluent to land does not produce any slick or other visible evidence of oil or grease, nor contain visible floating oil, grease, scum, litter or other objectionable matter; - degradation of soil structure is prevented; - increases in soil sodicity and increase in concentrations of nutrients and heavy metals in the soil and subsoil are prevented; - spray drift or overspray do not carry beyond effluent disposal areas; - effluent disposal areas are maintained with an appropriate crop in a viable state for transpiration and nutrient uptake and removal; - the crop on the disposal area is harvested and removed from the disposal area; - a minimum area of not less than 15 hectares of land within Lot 17 on Plan D3590, excluding any necessary buffer zones, must be utilised for the application of treated effluent; - the release of treated effluent irrigated to land identified as the irrigation area must not exceed 1000 kl/day; For the purposes of this approval the effluent irrigation area is depicted in Attachment 1.																		
L3	When weather conditions or soil conditions preclude the release of treated effluent to land, effluent must be directed to wet weather storage or be lawfully removed from the site. Wet weather storage must have a minimum volume of 10 ML.																		
L4	Monthly monitoring of treated effluent must be carried out to assess compliance with condition L5.																		
L5	The only contaminant to be released to land is treated effluent which must comply with the limits in Table 2. <table><tr><th colspan="4">Table 2 — Treated Effluent Release Limits.</th></tr><tr><th>Quality characteristics</th><th>Release limit</th><th>Limit type</th><th>Monitoring location</th></tr><tr><td>Electrical conductivity</td><td>1600 µS/cm</td><td>Maximum</td><td rowspan="3">Prior to discharge to storage pond</td></tr><tr><td>pH</td><td>6.0 – 8.5</td><td>Range</td></tr><tr><td><i>Escherichia coli</i></td><td><1000 cfu/100ml</td><td>Maximum</td></tr></table>	Table 2 — Treated Effluent Release Limits.				Quality characteristics	Release limit	Limit type	Monitoring location	Electrical conductivity	1600 µS/cm	Maximum	Prior to discharge to storage pond	pH	6.0 – 8.5	Range	<i>Escherichia coli</i>	<1000 cfu/100ml	Maximum
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<i>Escherichia coli</i>	<1000 cfu/100ml	Maximum																	
L6	Access to the irrigation area by public or stock must be prevented until the surface of irrigation area is dry and in any event, for at least 4 hours, following effluent irrigation.																		
L7	The irrigation area must have a separation distance of at least 50 metres from any surface waters, remnant vegetation or dwellings and at least 20 metres from the edge of a curtilage or public access area.																		
L8	Notices must be prominently displayed on areas undergoing effluent irrigation, warning that the area is irrigated with treated sewage effluent. These notices must be maintained in a visible and legible condition.																		
L9	An appropriately qualified person(s) must monitor, interpret and record all parameters that are required to be monitored, in the manner provided under Table 3. Minimum soil monitoring parameters and frequency. These reports must be made available to the administering authority																		

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on request and include a map and GPS coordinates identifying the location in the irrigation area of each sample taken.

Table 3. Minimum soil monitoring parameters and frequency

Monitoring Parameters	Units	Monitoring Frequency
Nitrate-N	mg/L	a) once, prior to commencement of application of treated sewage effluent, but no more than 6 months prior to the commencement of application; b) once, following commencement of application of treated sewage effluent, but no more than 6 months following commencement of application; c) then every 2 years.
pH	pH scale	
Phosphorus (available)	mg/L	
Total P	mg/L	
Total Nitrogen	mg/L	
Exchangeable sodium percentage	calculated	
Electrical Conductivity	µS/cm	
Potassium (available)	mg/L	
Potassium (extractable)	mg/L	
Total Chloride	mg/L	
Total Magnesium (exchangeable)	mg/L	
Total Nitrogen	mg/L	
Total Sodium (exchangeable)	mg/L	
P sorption capacity	kg/Ha	

L10 If soil monitoring results indicate that there has been a material change in soil characteristics within the irrigation area, further monitoring must be undertaken to determine the extent of the deterioration in soil characteristics. Measures must be implemented to prevent further soil degradation and ensure rehabilitation procedures are undertaken to restore damage.

L11 Before surrendering this environmental authority the site must be rehabilitated to achieve a safe, stable, non-polluting landform.

Agency interest: Waste

Condition number	Condition
R1	Waste imported into and treated by the Sewage Treatment System must comply with limits outlined in Appendix B, Schedule I, II, III, IV and V of the Toowoomba Regional Council Trade Waste Environmental Management Plan made effective 1 July 2012.
R2	Only treated effluent is to be disposed of on site. All other wastes must be removed from site by a transporter lawfully able to transport it and taken only to a place lawfully able to receive it.

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Definitions

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

Term	Definition
Activity	means the environmentally relevant activity, whether a resource activity or prescribed activity, to which this environmental authority relates. An activity may be undertaken on the whole or a part of a site.
Administering authority	means the Department of Environment and Science or its successor.
Annual return	means the return required by the annual notice (under section 316 of the <i>Environmental Protection Act 1994</i>) for the section 73F registration certificate that a licensee gives to the environmental authority.
Appropriately qualified person	means a person who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.
Contaminant(s)	as defined in Section 11 of the <i>Environmental Protection Act 1994</i> .
Department of Environment and Science	means the department or agency (whatever called) administering the <i>Environmental Protection Act 1994</i> .
Dwelling	means any of the following structures or vehicles that is principally used as a residence — • a house, unit, motel, nursing home or other building or part of a building; • a caravan, mobile home or other vehicle or structure on land; • a water craft in a marina.
Environmental harm	as defined in Section 14 of the <i>Environmental Protection Act 1994</i> .
Environmental nuisance	as defined in Section 15 of the <i>Environmental Protection Act 1994</i> .
Irrigation	means the artificial application of water or treated sewage to land or soil.
Irrigation area	means the treated effluent disposal area outlined in Drawing Number C04 supplied to the administering authority 28 May 2013. Also shown in Attachment 1.
Land	means land excluding waters and the atmosphere. Land includes land on the authorised location.
Minimise	means minimise by taking all reasonable and practical measures to minimise the adverse effect having regard to the following matters: (a) the nature of the harm or potential harm (b) the sensitivity of the receiving environment (c) the current state of technical knowledge for the activity (d) the likelihood of successful application of different measures that might be taken to minimise the adverse effects (e) the financial implications of the different measures as they would relate to the type of activity (f) if the adverse effect is caused by the location of the activity being carried out whether it is feasible to carry out the activity at another location.

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NATA certification	means a person, entity, corporation or body which holds a current accreditation issued by the National Association of Testing Authorities NATA.
Nuisance sensitive place	nuisance sensitive place includes: (3) within or outside of a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or (4) within or outside of a motel, hotel or hostel; or (5) within or outside of a kindergarten, school, university or other educational institution; or (6) within or outside of a medical centre or hospital; or (7) within a protected area under the <i>Nature Conservation Act 1992</i> , with a marine park under the <i>Marine Parks Act 2004</i> or a World Heritage Area; or (8) within a public thoroughfare, park or gardens; or (9) within or outside of a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place; or (10) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2019.
Surface waters	means water other than groundwater.
Site	means a location as defined by the lot and plans, whether partial of whole, to which this environmental authority relates.
Waters	means all or any part of a creek, river, stream, lake, lagoon, swamp, wetland, spring, unconfined surface water, unconfined water in natural or artificial watercourses, bed and bank of any waters, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and under round water.
Watercourse	as defined in Section 8, Schedule 12 of the Environmental Protection Regulation 2019.
Wetland	as defined in Schedule 12 of the Environmental Protection Regulation 2019, means an area shown as a wetland on the map of referable wetlands.
"Works" or "Operation"	means the development approved under this environmental authority.
You	means the holder of this environmental authority or owner I occupier of the land which is the subject of this environmental authority.
Remnant vegetation	means vegetation, part of which forms the predominant canopy of the vegetation — a) covering more than 50% of the undisturbed predominant canopy; and b) averaging more than 70% of the vegetation's undisturbed height; and c) composed of species characteristic of the vegetation's undisturbed predominant canopy.

END OF PERMIT

