Item Id [redacted]

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DISPATCHED
20 MAY 2013
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Queensland Government

Department of
Environment and Heritage Protection

20-MAY-2013

To: Hinchinbrook Community Support Centre
71 Townsville Road
INGHAM QLD 4850

Email: communitysupport@hcsc.org

Your reference: EPPR00824713
Our reference: 355155

Application details

I refer to the application that was received by the administering authority on 22-APR-2013.

Land description: 72-76 Cassidy Beach Road ALLINGHAM QLD 4850 Lot 540 Plan SP101675.

Decision

Your application has been approved and your environmental authority (reference EPPR00824713) is attached.

Additional comments or advice

You are advised that if you are not the owner of the land to which the environmental authority relates, you have 10 business days from receipt of this environmental authority to give each owner of the land, written notice that you have been issued this environmental authority.

Should you have any further enquiries, please contact Nina Henney on telephone (07) 4722 5353.

Yours sincerely

Signature

20/5/13
Date

Anthony Morrison
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enclosed

Permit - environmental authority (reference EPPR00824713)

Nina Henney
ES - Reg Serv - Northern - TVille
PO Box 5318
TOWNSVILLE QLD 4810
Phone: (07) 4722 5353
Fax: (07) 4722 5351
Email: nina.henney@ehp.qld.gov.au
Website **www.ehp.qld.gov.au**
ABN 46 640 294 485

Permit[1]

Environmental Protection Act 1994

Environmental authority

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

Permit[1] number: EPPR00824713

Environmental authority takes effect – 20 MAY 2013

The anniversary date of this environmental authority is the 14 September. An annual return and the payment of the annual fee which is currently $1,545.60 will be due each year on this day.

Environmental authority holder(s)

Name	Registered address
Hinchinbrook Community Support Centre	71 Townsville Road INGHAM QLD 4850

Environmentally relevant activity and location details

Environmentally relevant activity(ies)	Location(s)
63-(1a)(i) Sewage treatment >21 to 100EP - IT or IR	72-76 Cassidy Beach Road ALLINGHAM QLD 4850 - Lot 540 Plan SP101675

[1] Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation

Queensland Government

Additional information for applicants

Environmentally relevant activities

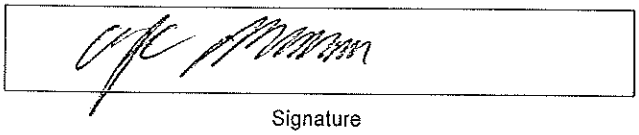
The description of any environmentally relevant activity (ERA) for which an environmental authority is issued is a restatement of the ERA as defined by legislation at the time the approval is issued. Where there is any inconsistency between that description of an ERA and the conditions stated by an environmental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

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

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

Contaminated land

It is a requirement of the EP Act that if an owner or occupier of land becomes aware a notifiable activity (as defined in Schedule 3 and Schedule 4) is being carried out on the land, or that the land has been, or is being, contaminated by a hazardous contaminant, the owner or occupier must, within 22 business days after becoming so aware, give written notice to the chief executive.



Signature

20/5/13

Date

Anthony Morrison
Department of Environment and Heritage Protection
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
Nina Henney
ES - Reg Serv - Northern - TVille
PO Box 5318
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Phone: (07) 4722 5353
Fax: (07) 4722 5351
Email: nina.henney@ehp.qld.gov.au

Obligations under the *Environmental Protection Act 1994*

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

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

Conditions of environmental authority

With the exception of any variations, the conditions of approval for this environmental authority include standard conditions contained within the document.

Location:

2-76 Cassidy Beach Road, ALLINGHAM QLD 4850

Lot 540 on Plan SP101675

Relevant activity:

ERA 63 Sewage Treatment Threshold 2(a)(i) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of 21 to 100EP

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

Agency interest: General	
Condition number	**Condition**
Extent of Approval	
G1	This development approval authorises the operation of a sewage treatment works with a total daily peak design capacity of 30 equivalent persons to treat up to 6,000L of sewage generated per day.
Prevent and/or Minimise Likelihood of Environmental Harm	
G2	In carrying out an ERA to which this development approval relates, all reasonable and practicable measures must be taken to prevent and/or to minimise the likelihood of environmental harm being caused.

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Maintenance of Measures, Plant and Equipment	
G3	The registered operator of the ERA to which this development approval relates must: • install all measures, plant and equipment necessary to ensure compliance with the conditions of this approval; and • maintain such measures, plant and equipment in a proper and efficient condition; and • operate such measures, plant and equipment in a proper and efficient manner.
Alterations	
G4	No change, replacement or operation of any plant or equipment is permitted if the change, replacement or operation of the plant or equipment increases, or is likely to substantially increase, the risk of environmental harm above that expressly provided for by this development approval.
Records	
G5	Record, compile and keep all monitoring results and reports required by this development approval and present any monitoring results or reports to the administering authority when requested.
G6	All records required by this development approval must be kept for at least five (5) years.
Site Based Management Plan	
G7	A Site Based Management Plan (SBMP) must be implemented that provides for the effective management of the actual and potential environmental impacts resulting from the carrying out of the activity to which this development approval relates. Documentation relating to the SBMP must be kept.

G8	The Site Based Management Plan must provide for at least the following functions: • Staff training in awareness of the environmental issues related to the activities and operational procedures and responsibilities for minimising potential impacts; • An environmental policy and commitments to best practice environmental management of the activities including specific performance targets and objectives; • Control procedures to be implemented for routine operations for day to day activities to minimise the likelihood of environmental harm, however occasioned or caused; • Contingency plans and emergency procedures to be implemented for non-routine situations to deal with foreseeable risks and hazards, including corrective responses to prevent and mitigate environmental harm (including any necessary site rehabilitation); • Organisational structure and responsibility to ensure that roles, responsibilities and authorities are appropriately defined to ensure effective management of environmental issues; • Effective communication procedures to ensure two-way communication on environmental matters between operational staff and higher management; • Monitoring of contaminant releases to the environment including procedures, methods and record keeping and investigation into the environmental impact of any release that causes or is likely to cause serious or material environmental harm; • A Stormwater Management Plan which has the objective of avoidance and minimisation of contaminated stormwater; • The periodic review of environmental performance and procedures, not less frequently than annually; and • A program for continuous improvement.
G9	The Site Based Management Plan must not be implemented or amended in a way that contravenes any condition of this development approval.
Incident Recording	
G10	Maintain records of the time, date and duration of equipment malfunctions, where the failure results, or is reasonably likely to result, in the release of contaminants which causes environmental harm.
Notification	
G11	Notify the administering authority as soon as practicable after becoming aware of any release of contaminants that occurs other than in accordance with the conditions of this development approval, or any event where environmental harm is caused or threatened. Please Note: The Pollution Hotline (1300 130 372) is the most appropriate contact for pollution incidents.

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G12	Written advice detailing the following information must be provided to the administering authority within fourteen (14) days following any notification in accordance with condition General 11: 1. The name of the operator, including their approval / registration certificate number; 2. The name and telephone number of a designated contact person; 3. The quantity and substance released; 4. The location of the release/event; 5. The time of the release/event; 6. The time the registered operator became aware of the release/event; 7. The suspected cause of the release/event; 8. A description of the resulting effects of the release/event; 9. The results of any sampling performed in relation to the release/event; 10. Actions taken to mitigate any environmental harm (including environmental nuisance) caused by the release/event; and 11. Proposed actions to prevent a recurrence of the release/event.
Spill Kit	
G13	An appropriate spill kit, personal protective equipment and relevant operator instructions/emergency procedure guides for the management of wastes and chemicals associated with the ERA must be kept at the site.
Spill Kit training	
G14	Anyone operating under this approval must be trained in the use of the spill kit.
Monitoring	
G15	A competent person(s) must conduct any monitoring required by this development approval.
Equipment calibration	
G16	All instruments, equipment and measuring devices used for measuring or monitoring in accordance with any condition of this development approval must be calibrated, and appropriately operated and maintained.
Sample Analysis	

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G17	All analysis and tests required to be conducted under this development approval must be carried out by a laboratory that has NATA certification for such analysis and tests, except as otherwise authorised by the administering authority.
Water and Wastewater Quality Sampling	
G18	All water and wastewater quality sampling must be done in accordance with methods prescribed in the latest edition of the Environment Protection Agency Water Quality Sampling Manual
Competency	
G19	Ensure that the operation and maintenance of all plant and equipment is carried out by or under the supervision of a person competent to operate and maintain the plant and equipment.
Backup Power Supply	
G20	A backup power supply of a capacity sufficient to maintain operation of the sewage treatment works must be available in the event that normal power supply is interrupted.
Agency interest: Air	
Condition number	**Condition**
Nuisance	
A1	The release of noxious or offensive odours or any other noxious or offensive airborne contaminants resulting from the activity must not cause a nuisance at any nuisance sensitive or commercial place.
A2	When requested by the administering authority, monitoring must be undertaken to investigate any complaint of environmental nuisance caused by a release to the atmosphere, and the results thereof notified to the administering authority within 14 days following completion of monitoring.
Agency interest: Land	
Condition number	**Condition**
Land Disposal	
L1	The only contaminant permitted to be released to land is treated sewage effluent to the areas shown in Attachment 1: Map of Irrigation Area and in compliance with the release limits specified in Table 1. Contaminant Release Limits to Land.
L2	Monitor and keep records of the quality of effluent released to land for the parameters at the monitoring point, and at the frequency specified in Table 1 (Schedule 2). Contaminant Release Limits to Land, unless otherwise specified by the administering authority.
L3	A minimum area of 2,000 square meters of land, excluding any necessary buffer zones, must be utilised for the irrigation of treated effluent. Application of effluent must be at a volume of no more than 6,000L per day.

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L4	The irrigation of effluent must be carried out in a manner such that: a) vegetation is not damaged; b) soil erosion and soil structure damage is avoided; c) there is no surface ponding of effluent; d) percolation of effluent beyond the plant root zone is minimised; e) the capacity of the land to assimilate nitrogen, phosphorus, salts, organic matter as measured by oxygen demand and water is not exceeded; and f) the quality of ground water is not adversely affected.
L5	Notices must be prominently displayed on areas undergoing effluent irrigation, advising the area is irrigated with treated effluent and not to use or drink the effluent. These notices must be maintained in a visible and legible condition.
L6	The weekly volume of contaminants released to land must be determined or estimated by an appropriate method, for example a flow meter, and records kept of such determinations and estimates.
L7	A minimum of 4 days of wet weather storage must be available to store treated effluent when conditions prevent irrigation.
L8	When conditions prevent the irrigation of treated effluent to land (such as during or following rain events), the contaminants must be directed to a wet weather storage or alternative measures must be taken to store/lawfully dispose of effluent (tanking off site to another treatment plant or sewer). A record must be kept of any removal or discharge off site, including destination, transporter, dates and volumes.
L9	Any spillage of wastes, contaminants or other materials must be cleaned up as quickly as practicable to prevent such spills entering the stormwater system. Such spillages must be cleaned in a manner which prevents the release of wastes, contaminants or material to any stormwater drainage system, roadside gutter or waters.
Containment of Chemicals, Fuels and Other Liquid Contaminants	
L10	All chemicals, fuels and other liquid contaminants must be contained within an on-site containment system and controlled in a manner that prevents environmental harm.
Agency interest: Noise	
Condition number	**Condition**
Noise Nuisance	
N1	Noise must not cause an environmental nuisance at any nuisance sensitive place or commercial place
Agency interest: Waste	
Condition number	**Condition**
W1	Waste must not be released to the environment, stored, transferred or disposed contrary to any condition of this development approval.

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W2	Sludge generated by the sewage treatment process must not be disposed or stored on site.
Waste Handling	
W3	All regulated waste removed from the site must be removed by a person that holds a current approval to transport such waste in accordance with the provisions of the *Environmental Protection Act 1994*.
Off-site Movement of Regulated Waste	
W4	Where regulated waste is removed from the site, the registered operator must monitor and keep records of the following: 1. the date, quantity and type of waste removed; and 2. name of the waste transporter and/or disposal operator that removed the waste; and 3. the intended treatment, disposal and destination of the waste.
Agency interest: Water	
Condition number	**Condition**
Release to Waters	
WA1	Contaminants must not be released from the site to any waters or the bed and banks of any waters.
Stormwater Management	
WA2	There must be no release of stormwater runoff that has been in contact with any contaminants at the site to any waters, roadside gutter or stormwater drain.
Agency interest: Social	
Condition number	**Condition**
Complaint Response	
S1	Record the following details for all complaints received and provide this information to the administering authority on request: (a) time, date, name and contact details of the complainant; (b) reasons for the complaint; (c) any investigations undertaken; (d) conclusions formed; and (e) any actions taken.

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DEFINITIONS

Key terms and/or phrases used in this document are defined in this section and **bolded** 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.

"administering authority" means the Department Environment and Resource Management or its successor.

"approval" means 'notice of development application decision' or 'notice of concurrence agency response' under the *Sustainable Planning Act 2009.*

"BOD5" means the 5 day biochemical oxygen demand determined using a test sample uninhibited for either carbonaceous material or nitrogen.

"commercial place" means a place used as an office or for business or commercial purposes.

"controlled access" means that the recycled water user can maintain effective control over public access to an area being irrigated or being affected by spray drift from irrigation.

"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.

"equivalent person (EP)" means a wastewater flow of 200 litres per person per day.

"Department of Environment and Heritage Protection" means the department or agency (whatever called) administering the *Coastal Protection and Management Act 1995* or the *Environmental Protection Act 1994.*

"$L_{A\ 10,\ adj,\ 10\ mins}$" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 10% of any 10 minute measurement period, using Fast response.

"$L_{A\ 1,\ adj,\ 10\ mins}$" means the A-weighted sound pressure level, (adjusted for tonal character and impulsiveness of the sound) exceeded for 1% of any 10 minute measurement period, using Fast response.

"land" in the "land schedule" of this document means land excluding waters and the atmosphere.

"median" means the middle value, where half the data are smaller and half the data are larger. If the number of samples is even, the median is the arithmetic average of the two middle values.

"mg/L" means milligrams per litre.

"noxious" means harmful or injurious to health or physical well being.

"nuisance sensitive place" includes –

- a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- a motel, hotel or hostel; or
- a kindergarten, school, university or other educational institution; or
- a medical centre or hospital; or
- a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 1992* or a World Heritage Area; or
- a public thoroughfare, park or gardens; or
- 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.

"offensive" means causing offence or displeasure; is disagreeable to the sense; disgusting, nauseous or repulsive.

"regulated waste" means non-domestic waste mentioned in Schedule 7 of *the Environmental Protection Regulation 2008* (whether or not it has been treated or immobilised), and includes –

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- for an element – any chemical compound containing the element; and
- anything that has contained the waste

"site" means land or tidal waters on or in which it is proposed to carry out the development approved under this development approval.

"total nitrogen" means the sum of Organic Nitrogen, Ammonia Nitrogen, Nitrite plus Nitrate Nitrogen, which must be reported separately, expressed as mg/L as Nitrogen.

"total phosphorus" means the sum of the reactive phosphorus, acid-hydrolysable phosphorus and organic phosphorus, as mg/L of Phosphorus. This includes both the inorganic and organic fraction of phosphorus.

"uncontrolled access" means that the recycled water user does not maintain effective control over public access to an area being irrigated or being affected by spray drift from irrigation.

"watercourse" means a river, creek or stream in which water flows permanently or intermittently-

- in a natural channel, whether artificially improved or not; or
- in an artificial channel that has changed the course of the watercourse.

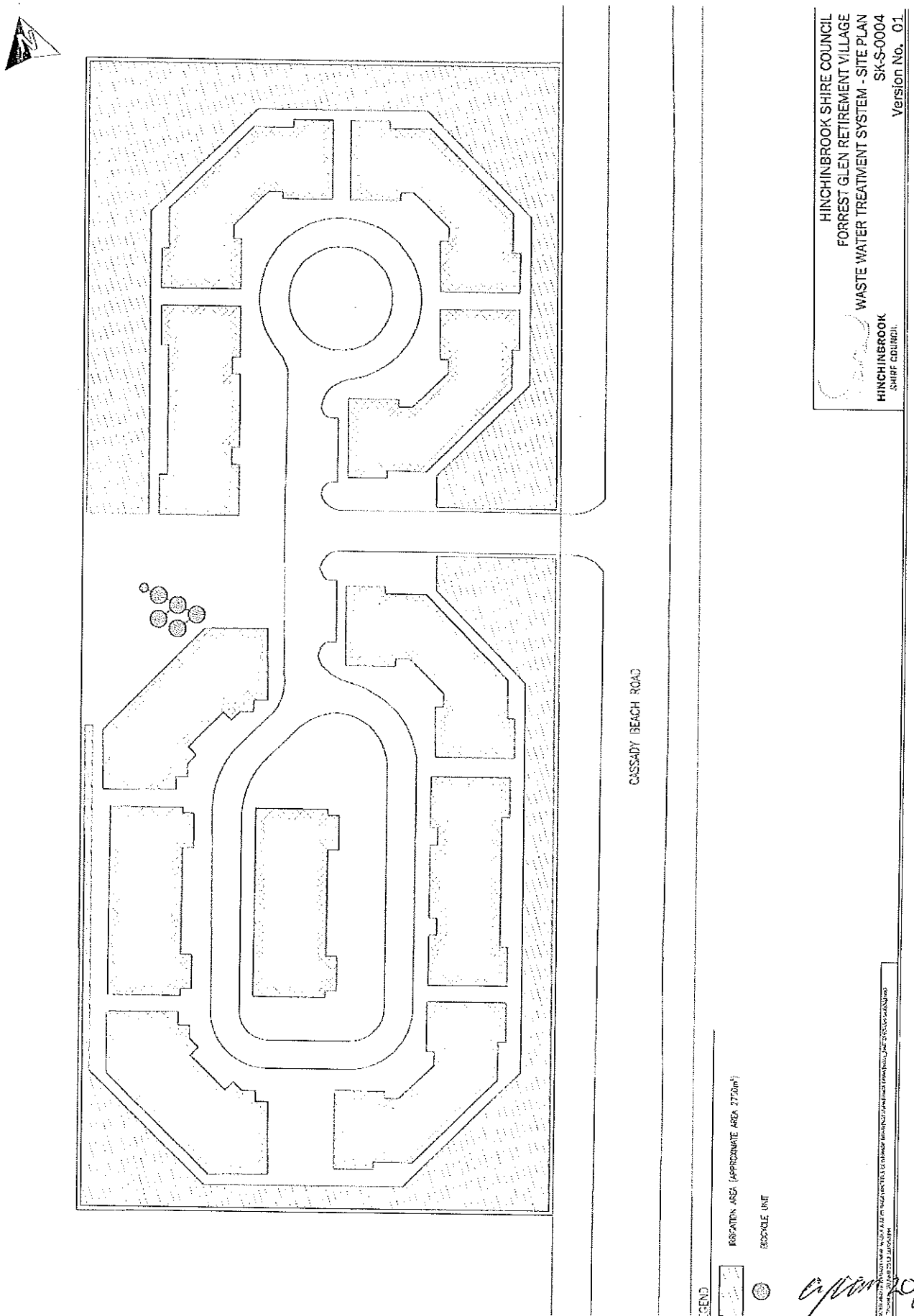
"waters" includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and groundwater and any part-thereof.

"80th percentile" means not more than one (1) of the measured values of the quantity characteristic is to exceed the stated limit for any five (5) consecutive samples for a sampling point at any time during the sampling event.

END OF CONDITIONS

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Schedule 1—Approved plans



Schedule 2—Monitoring

Table 1. Contaminant Release Limits to Land

Monitoring Point	Quality Characteristic	Release Limit				Monitoring Frequency
		Minimum	Median	80th Percentile	Limit	
Outlet from treated effluent tank	BOD5 (mg/L)	-	20		30	Monthly
	Dissolved Oxygen (mg/L)	2	-	-	-	Weekly
	pH	6.5	-	-	8.5	Weekly
	Suspended Solids (mg/L)	-	5	-	30	Quarterly
	Total Nitrogen (mg/L)	-	-	-	30	
	Total Phosphorous (mg/L)	-	-	-	15	
	*E.Coli (CFU/100ml)	-	<10	200	-	Monthly

*From a minimum of five (5) samples, taken at not less than half-hourly intervals in any one day.

END OF PERMIT

20/5/13