



Northern  
Territory  
Government

## WASTE DISCHARGE LICENCE

(Pursuant to section 74 of the *Water Act*)

### Licence Details

Licence Number: **WDL229**  
Commencement Date: **17** August 2016  
Expiry Date: **17** August 2018

### Licensee Details

Legal Entity Name: Power and Water Corporation  
ABN: 15 947 352 360  
Registered Business Address: Level 2 Mitchell Centre  
Darwin NT 0800  
Postal Address: PO Box 37471  
Winnellie NT 0821  
Contact Person: Nigel Deacon  
Position: Senior Manager Water Sewer Services – Remote Operations  
Contact Details: b/h: (08) 8924 5252  
mobile: 0409 714 303  
email: [nigel.deacon@powerwater.com.au](mailto:nigel.deacon@powerwater.com.au)

### Location of Premises

Name: Bulla Waste Water Treatment Plant  
Address: Sewage Ponds Access Road  
NT Portion 2676  
Ramingining NT 0852

### 24 hour emergency response

Contact Person: PWC Emergency Response Line  
Telephone Numbers: 1800 245 090

### Licensed Activity

The discharge of waste water from Bulla Waste Water Treatment Plant to East Baines River (freshwater).

## WASTE DISCHARGE LICENCE (WDL229)

### TABLE OF CONTENTS

INFORMATION ABOUT THIS LICENCE .....	3
Definitions of Terms.....	3
Responsibilities of Licensee .....	3
Duration of Licence.....	3
Amendment, Modification or Revocation of Licence (section 93 of the Act).....	4
Public Register .....	4
Supporting Guidelines and Documents.....	4
Environment Protection Objectives (Part 4 of the WMPC Act) and Beneficial Use Declaration (section 73 of the Act).....	4
Environmental Interests.....	4
Cultural Interests .....	4
LICENCE CONDITIONS .....	5
ADMINISTRATIVE .....	5
OPERATIONAL .....	5
DISCHARGES AND EMISSIONS .....	6
Qualitative Discharge Criteria.....	6
MONITORING .....	6
RECORDING AND REPORTING .....	6
PERFORMANCE IMPROVEMENT.....	7
END OF LICENCE CONDITIONS.....	8
END NOTES.....	8
DEFINITIONS.....	9
APPENDIX 1: Discharge Monitoring .....	10
APPENDIX 2: Site plan(s) .....	11
ANNEXE 3: Annual Return.....	14

## WASTE DISCHARGE LICENCE (WDL229)

### INFORMATION ABOUT THIS LICENCE

#### Definitions of Terms

- A section on the definition of terms used in this licence can be found at the end of this licence.
- Terms used in the waste discharge licence which are defined in the *Water Act* (the Act) have the meaning given in that Act unless specifically indicated otherwise.

#### Responsibilities of Licensee

- It is an offence under the Act, if the holder of a waste discharge licence contravenes or fails to comply with the conditions of a waste discharge licence.
- In addition to the conditions set out in this licence, general responsibilities of licensees are set out in the Act, the *Waste Management and Pollution Control Act* (WMPC Act) and associated Regulations.
- Licensees must comply at all times with the requirements of these Acts and all other applicable laws.
- Except as expressly provided for in this licence, the licensee must not:
  - cause environmental harm, either directly or indirectly;
  - allow waste to come into contact with water; or
  - allow water to be polluted.
- Without limiting the conditions of this licence, in conducting the activity, the licensee must do all things reasonable and practicable to:
  - prevent or minimise the likelihood of pollution occurring as a result of, or in connection with, the activity;
  - prevent or minimise the likelihood of environmental harm occurring as a result of, or in connection with, the activity;
  - effectively respond to pollution and the risk of pollution occurring as a result of, or in connection with, the activity;
  - effectively respond to environmental harm and the risk of environmental harm occurring as a result of or in connection with the activity; and
  - as far as practicable:
    - increase the re-use and recycling of waste;
    - effectively manage waste disposal; and
  - apply the principles of ecologically sustainable development.

#### Duration of Licence

- This licence will remain in force until:
  - its expiry date;
  - is surrendered by the licensee; or
  - until it is suspended or revoked by the Controller of Water Resources.

## **WASTE DISCHARGE LICENCE (WDL229)**

### **Amendment, Modification or Revocation of Licence (section 93 of the Act)**

- As set out in section 93 of the Act, the Controller of Water Resources may, by notice:
  - amend or modify the terms and conditions of a licence;
  - revoke a licence; or
  - suspend a licence.

### **Public Register**

- A copy of this licence will be placed on a register in accordance with section 95 of the Act.
- The register is publicly available for viewing on the NT EPA website.
- A copy of the Annual Return will also be placed on the register.

### **Supporting Guidelines and Documents**

- This licence has been developed based on the information provided by the licensee in the following documentation:
  - Application for Waste Discharge Licence. Power and Water Corporation. 8 January 2016.

### **Environment Protection Objectives (Part 4 of the WMPC Act) and Beneficial Use Declaration (section 73 of the Act)**

- An Environment Protection Objective (EPO) is a statutory instrument to establish principles on which:
  - a) environmental quality is to be maintained, enhanced, managed or protected;
  - b) pollution, or environmental harm resulting from pollution, is to be assessed, prevented, reduced, controlled, rectified or cleaned up; and
  - c) effective waste management is to be implemented or evaluated.
- In accordance with section 18 of the WMPC Act, a beneficial use, quality standard, criteria or objective declared under section 73 of the Act and in force is an environment protection objective for the purposes of the WMPC Act.
- Beneficial Use Declaration (BUD) is a legislated process that reduces the effects of water pollution and assists in the protection and management of water. The community decides how a particular water body should be used by choosing one or more Beneficial Use categories.
- There is no BUD for the Bulla area at the time of issue of this licence.

### **Environmental Interests**

This section highlights sensitivity of the surrounding land use and environment associated with the location of the approved activity that represents an interest to the Northern Territory Government and the community.

### **Cultural Interests**

It is the licensee's responsibility to contact the Aboriginal Areas Protection Authority and ensure that any Authority Certificates required as a result of conducting the licensed activity are obtained and complied with.

Further specific advice on any cultural requirement or implication of the licenced activity

## WASTE DISCHARGE LICENCE (WDL229)

should be sought from the Northern Land Council and the Aboriginal Areas Protection Authority.

### LICENCE CONDITIONS

#### ADMINISTRATIVE

1. The licensee must notify the NT EPA within 24 hours if there are changes to the details of the 24-hour emergency contact as provided on page one of this licence.
2. The licensee must notify the NT EPA within 14 days if there are changes to the Licensee details shown on page one of this licence.
3. The licensee must notify the NT EPA within 14 days after ceasing to conduct the activity to which this licence relates.
4. The licensee must notify the NT EPA prior to making any operational change that will cause, or is likely to cause, an increase in the potential for environmental harm, environmental nuisance, material environmental harm or serious environmental harm.
5. The licensee must cause a copy of this licence to be available at all times:
  - 5.1. on the licensee's Australian website and
  - 5.2. at the Registered Business Address.
6. Where this licence requires the provision of any notice, document or other correspondence to the NT EPA, the relevant contact is:

NT EPA Compliance and Enforcement

Physical Address: Level 1, Arnhemica House, 16 Parap Road, Parap NT 0820

Postal Address: GPO Box 3675, Darwin NT 0801

Email: [pollution@nt.gov.au](mailto:pollution@nt.gov.au)
7. All notices, documents or other correspondence required to be provided pursuant to this licence must be provided in electronic form unless otherwise specified as a condition of this licence.

#### OPERATIONAL

8. The licensee must take all reasonable and practicable measures to prevent or minimise environmental harm.
9. The licensee must maintain and implement the *Waste Discharge Licence Communication Strategy, Power and Water Corporation*.
10. The licensee must maintain a log of each complaint, made in relation to the activity, to any persons involved in the activity. The log must include details of the following:
  - 10.1 the date and time of the event triggering the complaint;
  - 10.2 the date and time the complaint received;
  - 10.3 the contact details of the complainant if known, or where no details are provided, a note to that effect;
  - 10.4 the nature of the complaint;
  - 10.5 the nature of events giving rise to the complaint;
  - 10.6 prevailing weather conditions at the time of the event;
  - 10.7 the action taken in relation to the complaint, including any follow-up contact with the complainant; and

## WASTE DISCHARGE LICENCE (WDL229)

10.8 if no action was taken, why no action was taken.

### DISCHARGES AND EMISSIONS

11. This licence authorises waste water to be discharged from the discharge point(s) identified in Table 1.

**Table 1**

Authorised Discharge Point(s)		Location
Latitude	Longitude	GDA94, Zone 52 Eastings: 611363.2 E Northings: 8257517.7 S
-15.75837°	130.03957°	

### Qualitative Discharge Criteria

12. Waste water(s) discharged from the authorised discharge point(s) in Appendix 1 must not:
- 12.1. contain any gross pollutants and floating matter, floating oil and grease or petroleum hydrocarbon sheen or scum, litter or other objectionable matter;
  - 12.2. cause or generate odours which would adversely affect the use of receiving waters;
  - 12.3. cause algal blooms in receiving waters;
  - 12.4. cause visible change in the behaviour of fish or other aquatic organisms in receiving waters; or
  - 12.5. cause mortality of fish or other aquatic organisms in receiving waters.

### MONITORING

13. For each sample required to be collected by this licence the following information must be recorded and retained:
- 13.1. the date(s) on which the sample was taken;
  - 13.2. the time(s) at which the sample was collected;
  - 13.3. the point(s) at which the sample was taken;
  - 13.4. the name of the person who collected the sample;
  - 13.5. the chain of custody forms relating to the sample(s);
  - 13.6. the field measurements and/or analytical results for the sample; and
  - 13.7. laboratory QA/QC documentation.
14. Discharge monitoring must be conducted in accordance with Appendix 1.
15. The licensee must ensure wherever practicable that all water samples are analysed in laboratory holding NATA certification or equivalent for the required analyses.

### RECORDING AND REPORTING

16. All records required to be kept by this licence must be in a legible format.
17. The licensee must keep records of all non-compliances with this licence.
18. The licensee must take all reasonable and practicable measures to notify the NT EPA of non-compliances with this licence as soon as practicable and in any case within 5

## WASTE DISCHARGE LICENCE (WDL229)

business days of becoming aware of each non-compliance.

19. Non-compliance notifications required under condition 18 must identify:
  - 19.1. circumstances leading up to the non-compliance;
  - 19.2. the risk to the environment from the non-compliance;
  - 19.3. what corrective actions the licensee will undertake to mitigate any environmental harm resulting from the non-compliance; and
  - 19.4. what preventative actions the licensee will undertake to ensure the non-compliance does not occur again.
20. The licensee must immediately and in any case within 24 hours notify the NT EPA of any potential or actual environmental harm or pollution by contacting the Pollution Hotline on telephone number 1800 064 567 and emailing [pollution@nt.gov.au](mailto:pollution@nt.gov.au).
21. The licensee must comply with the requirements of section 14 of the WMPC Act.
22. The licensee must complete an Annual Return and provide it to the NT EPA within 10 business days after each anniversary of the commencement date of this licence, which report relates to the preceding 12 month period.
  - 22.1. The NT EPA may require the licensee to revise or amend and resubmit any Annual Return.

### PERFORMANCE IMPROVEMENT

23. Prior to the end date of this licence the licensee must ensure, for all (onshore) sampling points required by this licence:
  - 23.1. install, maintain and provide appropriate identification signage so that they are easily identifiable at all times; and
  - 23.2. maintain safe access and egress, as is reasonably practicable.
24. The licensee must document and submit an environmental risk assessment for the licensed activity. The environmental risk assessment must:
  - 24.1. Be conducted with reference to a conceptual site model;
  - 24.2. Identify and describe the environmental values of the receiving environment, the locations or zones where these values apply, and potential impacts on these values from the licensed activity;
  - 24.3. Characterise the impacts of discharge(s) on the relevant environmental values;
  - 24.4. Identify any aspects of the environmental values that are not being maintained, with reference to relevant sources of information including qualitative and quantitative criteria;
  - 24.5. Inform the development of a Performance Improvement Plan, if required; and
  - 24.6. Be submitted to the NT EPA at least sixty business days prior to the end date for this licence.

The NT EPA may require the licensee to revise or amend and resubmit the environmental risk assessment.

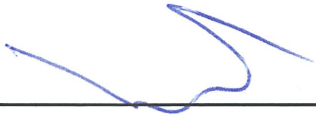
25. The Licensee must prepare and submit a Performance Improvement Plan at least

## **WASTE DISCHARGE LICENCE (WDL229)**

twenty business days prior to the end date for this licence.

### **END OF LICENCE CONDITIONS**

This licence is not valid unless signed below:



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William John Freeland

Delegate for the Controller of Water Resources

Dated the 10/8 / 2016

### **END NOTES**



## WASTE DISCHARGE LICENCE (WDL229)

### DEFINITIONS

All terms in the licence which are defined in the *Water Act* have the meaning given in that Act unless otherwise or further defined in this section.

Act	means the <i>Water Act</i> of the Northern Territory.
Activity	means the activity licensed under this licence described as Licensed activity on page 1 of this licence.  The definition does not in any way limit the meaning of the term given in the Act.
Annual Return	an NT EPA prescribed format for demonstrating and reporting compliance with the conditions of this licence.
Business Day	means a day not Saturday, Sunday or a public holiday in Darwin, Northern Territory.
BUD	means Beneficial Use Declaration – the uses of water specified in subsection (3) of the <i>Act</i> .
Licence	means Waste Discharge Licence (WDL229).
Licensee	is the legal entity listed on page 1 of this licence.
Location	is the location of premises as described on page 1 of this licence.
NT EPA	means the Northern Territory Environment Protection Authority.
Records	any written information as requested as a condition of this licence. Any logs, registers or other documents.
Receiving waters	as defined in the ANZECC & ARMCANZ (2000) Guidelines for Fresh and Marine Water Quality.
Sites of Conservation Significance	means any site identified by the Northern Territory or Australian Government as site of conservation significance; or a site otherwise identified as being of conservation significance by an appropriate organisation.
‘WMPC Act’	means the <i>Waste Management and Pollution Control Act</i> of the Northern Territory.
Environmental Values	Environmental values apply to waters that do not have an applicable Beneficial Use Declaration. Environmental values are particular values or uses of the environment that are important for a healthy ecosystem or for public benefit, welfare, safety or health and that require protection from the effects of pollution, waste discharges and deposits.

## WASTE DISCHARGE LICENCE (WDL229)

### APPENDIX 1: Discharge Monitoring

**Table 1: Discharge monitoring frequencies and parameters**

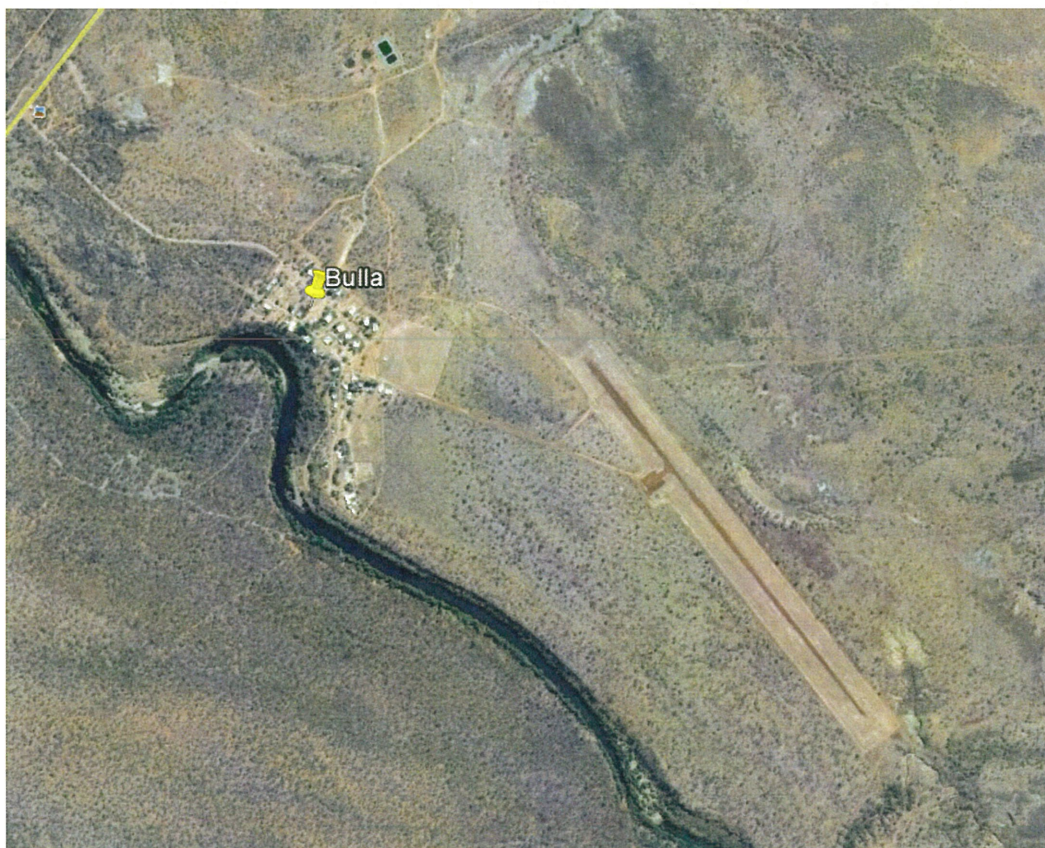
Sample location – Representative of effluent discharge at authorised discharge point	
Indicator	
Physio-chemical parameters	
Flow	S
pH	S
Electrical conductivity	
Dissolved oxygen	
Turbidity	
Total suspended solids	
Biological Parameters	
Biochemical oxygen demand	S
Chlorophyll-a	
Nutrient Parameters	
Ammonia (Total as N)	S
Total Nitrogen	S
Oxidised Nitrogen (NO <sub>x</sub> as N)	S
Total Phosphorous	S
Pathogen Indicators	
Escherichia coli	S
Enterococci	

Key: S = seasonally (once in the Dry season and once in the Wet season each year).

Note: Samples to be collected from 0.2 – 0.5 m below surface if from a water body.

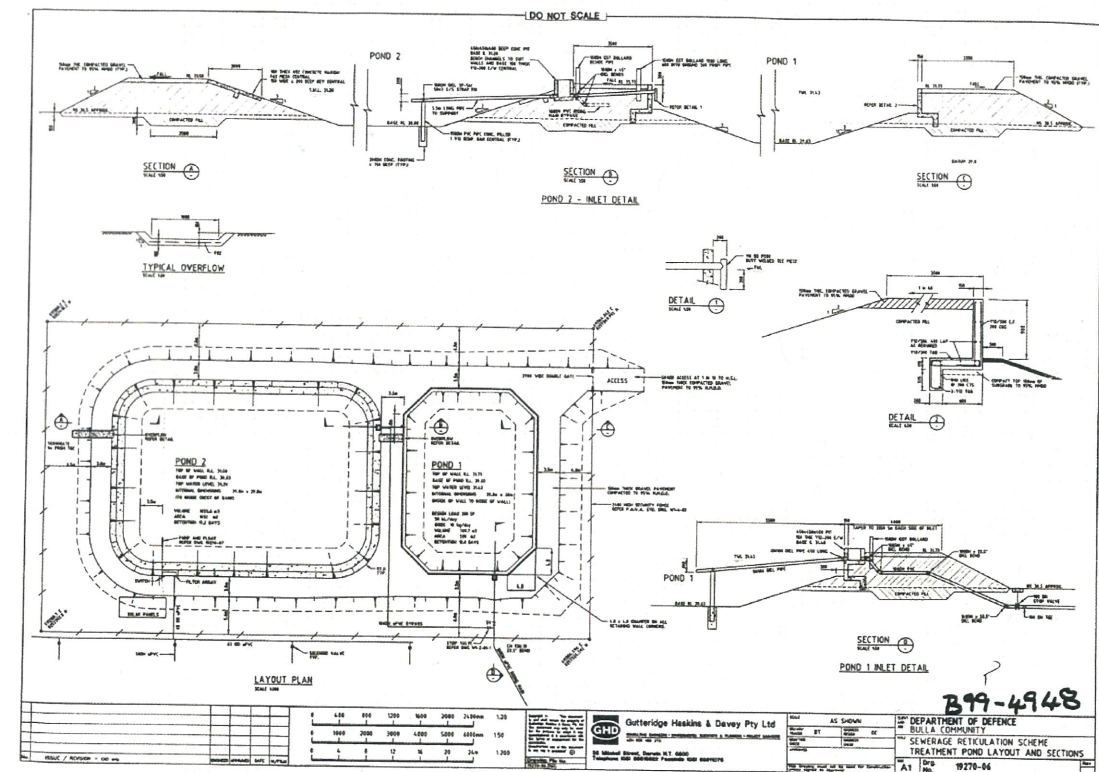
## WASTE DISCHARGE LICENCE (WDL229)

### APPENDIX 2: Site plan(s)

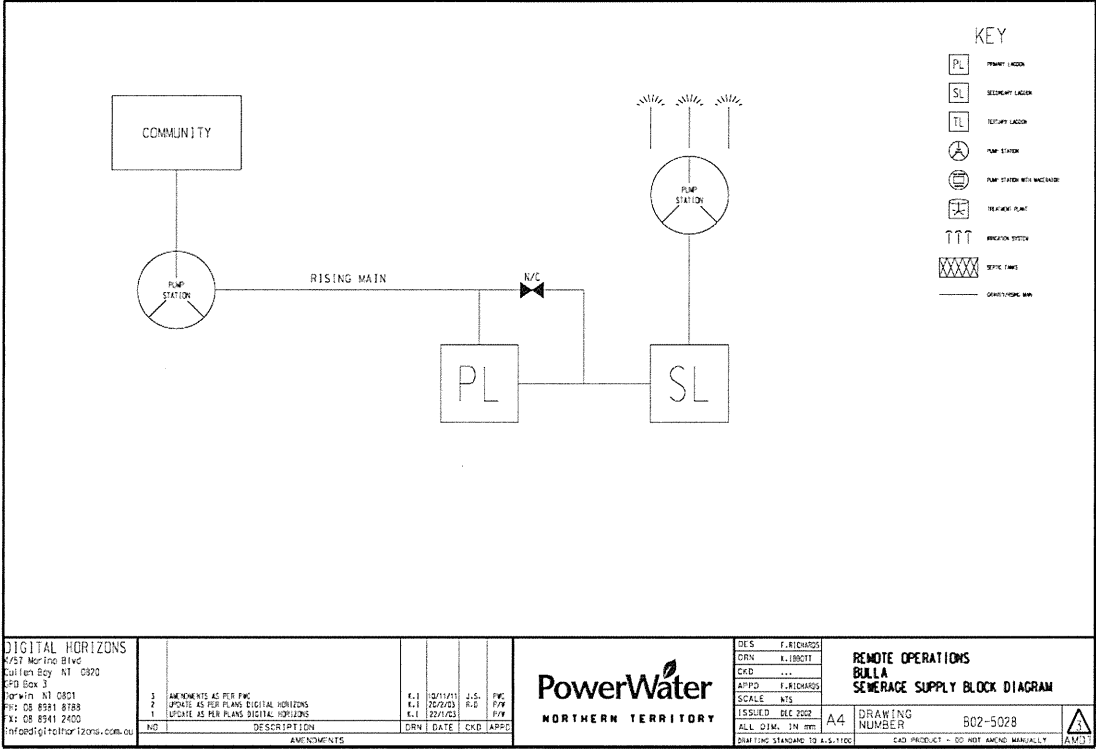




## WASTE DISCHARGE LICENCE (WDL229)



WASTE DISCHARGE LICENCE (WDL229)



**WASTE DISCHARGE LICENCE (WDL229)**

**ANNEXE 3: Annual Return**

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