



Northern
Territory
Government

WASTE DISCHARGE LICENCE

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

Licence Details

Licence Number: **WDL201-2**
Commencement Date: **16 May** 2017
Expiry Date: **15 May** 2019

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

Location of Premises

Name: Manthathpe Wastewater Treatment Plant.
Address: Lot 757
Nemarluk NT 0822

Licensed Activity

The discharge of wastewater from Manthathpe Wastewater Treatment Plant to surface water course.

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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.

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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 administering agency 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. 9 March 2017.

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.

Environmental Interests

The receiving waters relevant to discharges from Manthathpe, are tidal waters. Environmental values have been identified that are important for a healthy ecosystem or for public benefit, welfare, safety or health which require protection from the effects of pollution, waste discharges and deposits. The environmental values are:

- Environment;
- Cultural; and
- Aquaculture.

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

LICENCE CONDITIONS

ADMINISTRATIVE

1. The Licensee must ensure the contact details recorded with the administering agency are accurate.
2. The Licensee must notify the administering agency within 14 days if there are changes to the Licensee details shown on page one of this Licence.
3. The Licensee must notify the administering agency within 14 days after ceasing to conduct the activity to which this Licence relates.
4. The Licensee must notify the administering agency 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 on the Licensee's Australian website.
6. Where this Licence requires the provision of any notice, document or other correspondence to the administering agency, the relevant contact is:
Environmental Authorisations
Physical Address: Level 1 Arnhemica House, 16 Parap Road, Parap NT 0820
Postal Address: GPO Box 3675, Darwin NT 0801
Email: waste@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;

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- 10.5 the nature of events giving rise to the complaint;
- 10.6 prevailing weather conditions at the time of the incident;
- 10.7 the action taken in relation to the complaint, including any follow-up contact with the complainant; and
- 10.8 if no action was taken, why no action was taken.

DISCHARGES AND EMISSIONS

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

Table 1

Authorised Discharge Point(s)		Location
Latitude	Longitude	MGA94, Zone 53
129.51520°	135.79857°	Eastings: 586771 E Northings: 8618333 S

Qualitative Discharge Criteria

- 12. Wastewater(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 a laboratory holding NATA certification or equivalent for the required analyses.

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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 administering agency of non-compliances with this Licence as soon as practicable and in any case within 5 Business Days of becoming aware of each non-compliance.
19. Non-compliance notifications required under condition 21 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 administering agency 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.
21. The Licensee must comply with the requirements of section 14 of the WMPC Act.
22. The Licensee must complete the supplied Annual Return (AR) and provide to the administering agency a minimum of 30 Business Days prior to the anniversary of the commencement date of this Licence, for each year of this Licence, noting that the administering agency may require the Licensee to revise, amend and/or resubmit the AR.

PERFORMANCE IMPROVEMENT

23. Prior to the end date of this Licence the Licensee must, 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 revise and update the 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

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- 24.6. be submitted to the administering agency at least sixty business days prior to the end date for this licence, with the understanding that the administering agency may require the Licensee to revise, amend and/or resubmit the proposed assessment.
25. The Licensee must develop a communications plan for the licensed activity that details measures the Licensee will undertake in accordance with the Power and Water Corporation Waste Discharge Licence Communication Strategy. The communications plan must include:
- 25.1. Installation of fixed signage at appropriate locations to inform the public regarding the presence and location of the wastewater discharge and associated risks to environmental values.
26. The Licensee must submit to the administering agency and commence implementation of a communications plan referred to in condition 25 of the plan within sixty business days prior to the end date for this licence.
27. The Licensee must implement the waste discharge licence WDL201-1 performance improvement plan dated March 2017.
28. The Licensee must submit to the administering agency revised performance improvement plan. The performance improvement plan must:
- 28.1. be submitted to the administering agency at least sixty business days prior to the end date for this licence, with the understanding that the administering agency may require the Licensee to revise, amend and/or resubmit the proposed performance improvement plan.

END OF LICENCE CONDITIONS

This Licence is not valid unless signed below:



Joanne Townsend

Controller of Water Resources

Dated the 16/5 / 2017

END NOTES

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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.
'Administering Agency'	Means the Department of Environment and Natural Resources, or if dissolved, another Government Department with responsibility for administering the Act.
'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 (WDL201-2)
'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.

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APPENDIX 1: Discharge Monitoring

Table 1: Discharge Monitoring Frequencies

Sample location – Representative of effluent discharge	
Indicator	
Physio-chemical parameters	
Flow	S
Electrical conductivity	S
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 _x as N)	S
Total phosphorous	S
Pathogen Indicators	
Escherichia coli	S
Enterococci	

Key: F = fortnightly; NR = not required; M = monthly; S = seasonally (once in the Dry season and once in the Wet season)

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

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APPENDIX 2: Site Plans



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APPENDIX 3: Annual Return

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