



Amendment Notice 1

Licence Number L7395/1991/10

Licence Holder Water Corporation

File Number: SWB2004

Premises Capel Wastewater Treatment Plant
Legal description –
Lot 5613 on Plan 190864
Lot 1614 on Plan 140135
CAPEL WA 6271

Date of Amendment 13 July 2018

Amendment

The Chief Executive Officer (CEO) of the Department of Water and Environmental Regulation (DWER) has amended the above Licence in accordance with section 59 of the *Environmental Protection Act 1986* (EP Act), as set out in this Amendment Notice. This Amendment Notice constitutes written notice of the amendment in accordance with section 59B(9) of the EP Act.

Date signed: 13 July 2018

Steve Checker

MANAGER WASTE INDUSTRIES

REGULATORY SERVICES (ENVIRONMENT)

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA).

Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

The following guidance statements have informed the decision made on this amendment:

- *Guidance Statement: Regulatory Principles* (July 2015)
- *Guidance Statement: Setting Conditions* (October 2015)
- *Guidance Statement: Land Use Planning* (February 2017)
- *Guidance Statement: Licence Duration* (August 2016)
- *Guidance Statement: Decision Making* (February 2017)
- *Guidance Statement: Risk Assessment* (February 2017)
- *Guidance Statement: Environmental Siting* (November 2016)

Amendment description

On 21 March 2018 the Water Corporation (Licence Holder) submitted an application to amend the existing Licence to delete the requirement for monitoring from bore BH1.

Bore BH1 was drilled in May 2002 for assessing groundwater quality and levels in the area surrounding the Capel wetlands and is one of 12 bores currently installed at the premises. The bore monitoring programme is intended to monitor horizontal transverse dispersion of a solute front spreading normal to the flow direction due to flowpaths diverging at pore scale. Bore BH1 was drilled to a depth of 3.1m below ground, where groundwater in 2002 was measured as being present at 2.6m due to historically high groundwater levels from discharges of mine water to the Capel wetlands. Since this time, groundwater levels have dropped significantly, such that since December 2003 bore BH1 has contained too little water for sufficient sampling or has been dry. The Licence Holder has therefore requested bore BH1 be removed from the licence, as it is considered the existing bores BH2 and BH3 can provide sufficient monitoring for this purpose.

In addition bores BH1 and BH2 are to monitor whether contaminant plumes may be flowing along the former mine pathway towards the Capel wetlands. The Licence Holder considers this monitoring can still be achieved with monitoring bore BH2 alone.

Amendment history

Table 2 provides the amendment history for L7395/1991/10.

Table 1: Licence amendments

Instrument	Issued	Amendment
W735/1991/1	19/11/1991	Works approval
W2360/1991/1	11/05/1998	Works approval
L7395/1991/2	28/09/2000	Licence re-issue
L7395/1991/3	12/10/2001	Licence re-issue
L7395/1991/4	18/09/2002	Licence re-issue
L7395/1991/5	30/09/2003	Licence re-issue
L7395/1991/6	27/09/2004	Licence re-issue
W4059/1991/1	06/01/2005	Works approval – upgrade to increase capacity
L7395/1991/7	25/10/2005	Licence re-issue
L7395/1991/8	26/10/2006	Licence re-issue
L7395/1991/9	25/10/2007	Licence re-issue
L7395/1991/10	22/10/2010	Licence re-issue
L7395/1991/10	16/10/2015	Licence amendment
L7395/1991/10	13/07/2018	Amendment Notice 1 to remove bore BH1

Decision

Bore BH1 is located outside the premises boundary and across a public road adjacent to the wastewater disposal location and was constructed to provide background data. As the bore has been consistently dry since 2004 following significant drop in water levels in the area the Delegated Officer considers the removal of bore BH1 from licence requirements does not increase the risk profile of the wastewater treatment plant premises.

Since bore BH1 has been consistently dry since 2004 therefore unable to provide any groundwater samples to determine background data, and given the adequacy of bore BH2 to provide reliable groundwater data for a similar purpose and from a similar location, the Delegated Officer approves the removal of bore BH1 from the Licence. A detailed risk assessment is not considered necessary for this amendment.

Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 29 June 2018. The Licence Holder advised on 6 July 2018 they are satisfied with the proposed changes to the licence and waive the remaining consultation period.

Amendment

- Condition W3(a) of the Licence is amended by deletion of the text shown in strikethrough below:

W3(a) The Licensee shall maintain monitoring bores ~~BH1~~, BH2, BH3, BH4, BH5, BH6, BH7, BH8, BH9, B70, B72 and B73 to allow representative groundwater samples to be collected as depicted in Attachment 1.
- Table 3 within condition W3(c) of the Licence is amended by deletion of the text shown in strikethrough below:

Table 3: Capel Wetlands monitoring requirements

Column 1	Column 2	Column 3
Monitoring site	Sampling frequency	Parameters to be measured
Swamphen, Island, Peninsula and Higgins Lakes	Quarterly: January, April, August and October	pH, Biochemical Oxygen Demand, Total Dissolved Solids, Total Suspended Solids, Nitrate-nitrogen, Ammonium-nitrogen, Total Nitrogen, and Total Phosphorus.
Bores BH1 , BH2, BH3, BH4, BH5, BH6, BH7, BH8, BH9, B70, B72 and B73	Quarterly: January, April, August and October	pH, Total Dissolved Solids (calculated from Electrical Conductivity), Total Nitrogen, Ammonium-Nitrogen, Nitrate + Nitrite-nitrogen and Total Phosphorus.

With the exception of pH, all measurements are to be reported in mg/L

- Condition W3(d) of the Licence is amended by deletion of the text shown in strikethrough below:

W3(d) The Licensee shall measure the Standing Water Level in metres AHD (Australian Height Datum) in Bores ~~BH1~~, BH2, BH3, BH4, BH5, BH6, BH7, BH8, BH9, B70, B72 and B73, quarterly, and shall be reported in the annual monitoring report.

4. The Licence is amended by deletion of the Premises Map in Attachment 1, and insertion of the Premises Map below:



5. The Licence is amended by deletion of the Bore Locations map in Attachment 1, and insertion of the Premises Map below:



Appendix 1: Key documents

	Document title	In text ref	Availability
1	Licence L7395/1991/10 Capel Wastewater Treatment Plant	L7395/1991/10	accessed at www.dwer.wa.gov.au
2	DER, July 2015. <i>Guidance Statement: Regulatory Principles</i> . Department of Environment Regulation, Perth.	DER 2015a	accessed at www.dwer.wa.gov.au
3	DER, October 2015. <i>Guidance Statement: Setting Conditions</i> . Department of Environment Regulation, Perth.	DER 2015b	
4	DER, August 2016. <i>Guidance Statement: Licence Duration</i> . Department of Environment Regulation, Perth.	DER 2016a	
5	DER, November 2016. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	DER 2016b	
6	DER, November 2016. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	DER 2016c	