



Application for Licence Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L8560/2011/2
Licence Holder	City of Kalgoorlie Boulder
ACN	NA
File Number	2012/006900-1
Premises	South Boulder Wastewater Treatment Plant Portion of Lot 221 DP217615 and Reserve 42000 Celebration Road, South Boulder BOULDER WA 6432 As defined by the coordinates in Schedule 1: Figure 1 of the Revised Licence
Date of Report	27 November 2020
Proposed Decision	Revised licence granted

Stephen Checker

MANAGER, WASTE INDUSTRIES

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

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1. Decision summary

Licence L8560/2011/2 is held by City of Kalgoorlie Boulder (Licence Holder) for the South Boulder Wastewater Treatment Plant (the Premises), located within Portion of Lot 221 and Reserve 42000, South Boulder, Western Australia.

This Amendment Report documents the assessment of potential risks to the environment and public health from the proposed changes to the operation of the Premises. As a result of this assessment, Revised Licence L8560/2011/2 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Application summary

Works Approval W6350/2020/1:

Works Approval W6350/2020/1 was issued on 20 March 2020 to allow for the upgrade of the South Boulder Wastewater Treatment Plant (SBWWTP) ponding lagoons 1, 2 and 3 (WWP1, WWP2 and WWP3). The IDEA plant flow metering indicates leakage and the earth embankments are in a deteriorated condition.

Under W6360/2020/1 the refurbishment works will be carried out in two stages (A and B). Refer to appendix one for a detailed pond upgrade summary

In construction phase the IDEA plant is to receive the full sewage flow and trade waste.

On 26 August 2020, the Licence Holder submitted an application to the department to amend Licence L8560/2011/2 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendment is being sought:

- Divert tinkered liquid waste of approximately 5m³/day to the IDEA plants for the duration of stage A works to allow for the refurbishment of ponding lagoon 1 (WWP1).

2.3 Premises Operation and effluent disposal

Wastes received at the premises:

The SBWWTP receives the following waste types:

- Sewerage from the township of Kalgoorlie-Boulder via a reticulated sewerage system (K130); and
- K210 (Septage Wastes) by road transport. These wastes are received at a designated drop-off pit.

Waste treatment processes:

Sewerage waste received via the reticulated sewerage system during normal operations is treated on the premises via an Intermittent Decant Extended Aeration (IDEA) activated sludge plant.

Treated sewerage waste is then either pumped from the balance tank offsite to the 'Old Boulder' holding ponds (located approximately 500 metres to the north of the premises) or

treated further by Wastewater Ponding Lagoons 1, 2 and 3.

Controlled Waste K210 drain from the waste receiveal pit via pipework to Wastewater Ponding Lagoon 1. Reticulated sewerage received at the premises during a power failure or in excess of the hydraulic capacity of the IDEA plant (i.e. surge flows during storm events) are also directed to Wastewater Ponding Lagoon 1. Overflow from Wastewater Ponding Lagoon 1 is directed to Wastewater Ponding Lagoon 2 followed by Wastewater Ponding Lagoon 3. Effluent from Wastewater Ponding Lagoon 3 is either pumped offsite to the 'Old Boulder' holding ponds or is discharged via controlled release to Hannan's Lake.

Wastewater re-use and discharge:

Effluent from the 'Old Boulder' ponds (located off-site) is chlorinated and pumped to a number of holding ponds and tanks located within the City of Kalgoorlie-Boulder. Effluent stored within the city storage network is further chlorinated before use for the irrigation of lawns, parks and gardens. The treatment of effluent for the re-use for irrigation is regulated by the Department of Health under the *Health Act 1911* via a Recycled Water Scheme Approval (Approval Number: B28/0000).

There are two tanker filling stations within the City of Kalgoorlie-Boulder which are supplied by effluent derived from the SBWTP. The re-use of effluent from these locations is required to be regulated by the Department of Health under an approval issued under the *Health Act 1911*. Effluent may also be pumped from the outlet of the IDEA plant to an on-premises chlorination unit and made available for re-use by the mining industry for process water.

Treated wastewater in excess of demand discharges from Wastewater Ponding Lagoon 3 to Hannan's Lake. This discharge is not a routine method of wastewater disposal and is a disposal option of last resort.

Existing sewage flows

Figure 1 illustrates the historic WWTP inflows between January 2011 and September 2019, indicating that over this period inflows to the IDEA plant have dropped from an average of 7.0 ML/d in 2011 to an average of just under 6.1 ML/d in 2019, significantly below the IDEA capacity of 8 ML/d.

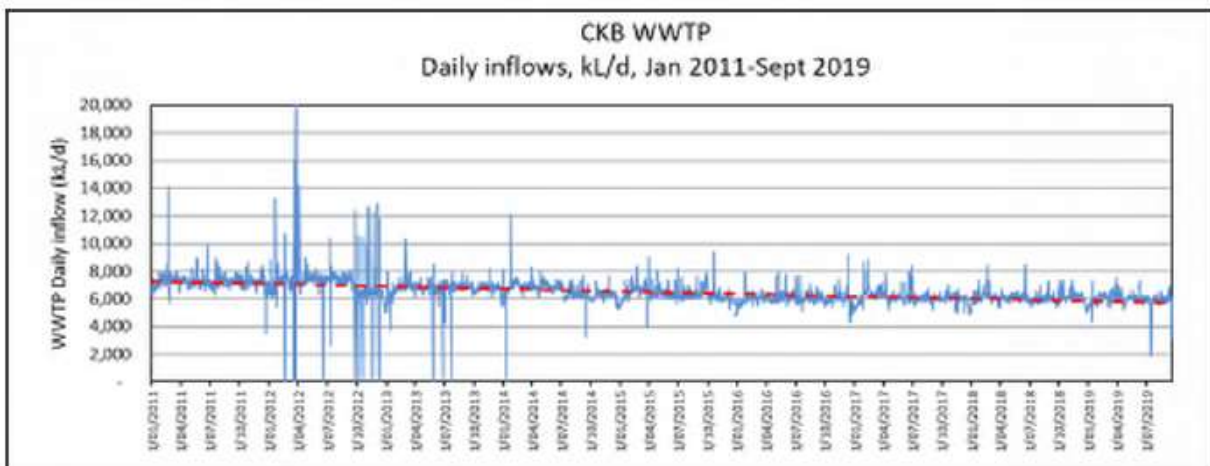


Figure 1: Historic WWTP inflows, 2011 - 2019

Flows during planned works

Stage A

During the refurbishment stage, the sewage flow will continue to be treated by the IDEA plant as per current operations. Tankered Cat 61 waste flows of approximately 5m³/day, will be diverted into the IDEA plant for the duration of Stage A works.

Septage waste and treated effluent quality

The following information in relation to treated effluent quality has been summarised from the application:

Treatment of up to 7 mega litres (ML) per day of combined sewage and septage waste will occur in within the IDEA plant.

The parameters for the tankered waste (K210) received between 2016 and 2018 are shown in appendix 2. The results show that the waste quality is only slightly above the licence limits for the SBWWTP therefore the planned diversion will not alter the treated effluent quality or the current risk rating for the WWTP.

Treated effluent quality after Stage A works

Table 1 below shows the treated effluent quality results following the completion of stage A works. The treatment is to an improved standard from the existing WWTP effluent quality.

Table 1: WWTP effluent after the completion of Stage A works

Pollutant parameter	Existing WWTP effluent – combined sewage and septage waste	WWTP treatment capability after Stage A works
Biological Oxygen Demand (BOD)	<15 mg/L	< 20 mg/L
Total Suspended Solids (TSS)	<40 mg/L	< 30 mg/L
Total Nitrogen (TN)	-	< 30 mg/L
Total Phosphorus (TP)	-	< 8 mg/L
pH	> 5 < 9	6.5 – 8.5
Faecal Coliforms	<1000 CFU/mL	<1000 CFU/100 mL
Chlorine (Cl)	-	0.2 – 2.0 mg/L

2.4 Consolidation of Licence

As part of this amendment package the department has consolidated the licence by incorporating changes made under the Amendment Notices as summarised in 2.

Table 2: Licences consolidated in this amendment

Instrument	Issued	Summary of approval
L8560/2011/1	29/04/2016	Notice of Amendment: to extend the expiry date of the Licence
L8560/2011/2	24/08/2017	Amendment notice 1 to enable extension of IR2 completion date to 22/07/2018 and amended prescribed premises boundary.

The obligations of the Licence Holder have not changed in consolidating the licence. The department has not undertaken any additional risk assessment of the Premises related to previous Amendment Notices.

In consolidating the licence, the CEO has:

- updated the format and appearance of the Licence;
- deleted the redundant AACR form set out in schedule 1 of the previous licence and advise the Licensee to obtain the form from the department's website;
- revised licence condition's numbers, and removed any redundant conditions and realigned condition numbers for numerical consistency; and

The full consolidation of licence conditions as they relate to this Revised Licence are detailed in Section 5.1. Previously issued Amendment Notices will remain on the department's website for future reference and will act as a record of the department's decision making

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guidance Statement: Risk Assessments* (DER 2017).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this Amendment Report are detailed in Table 3 below. Table 3 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 3: Licence Holder controls – operation

Emission	Sources	Potential pathways	Proposed controls
Odour	IDEA WWTP	Air	The closest residential receptor to the premises is the town-site of South Boulder, located approximately 1.4 kilometres to the north. The operation of the plant can be remotely controlled. Messages sent to the oncall operators phone if plant not operating according to the design specification.
Spills and leaks of sewage	IDEA WWTP	Direct discharge to soils and seepage to groundwater	Alarm on chlorine levels, waste activated sludge levels, return activated sludge levels and alarms on screen box, tanks and pumps/ aerators faults. The balance tank can hold more than a day of storage, plus the volumes within the treatment plant as contingency storage. A temporary pump will be used to transfer excess treated effluent from the balance tank to wastewater pond 2 (WWP2). Sludge will be emptied as required and disposed off site.
Treated effluent	Effluent from the WWTP discharged at the irrigation spray field and discharges from Wastewater Ponding Lagoon	Direct discharge to soils. Pooling with overflow. Spray drift.	Monitoring of effluent - providing information for corrective management. Licence Holder has stated that there will be no changes to the effluent water quality. Emission limits will remain the same.

Emission	Sources	Potential pathways	Proposed controls
	3 to Hannan's Lake.	Infiltration to groundwater.	The treatment of effluent for the re-use for irrigation is regulated by the Department of Health under the <i>Health Act 1911</i> via a Recycled Water Scheme Approval (Approval Number: B28/0000).
Chlorine gas leak	Chlorination unit-WWTP	Inhalation	The Licence holder has indicated that the chlorination module will be fitted with gas detection alarms. A Self-contained Breathing Apparatus (SCBA) will also be located within the module; additionally, City of Kalgoorlie Boulder's operational practice states employees entering the compound when responding to events will be required to have a SCBA in their vehicle when they enter the compound.

3.1.2 Key findings

The Delegated Officer has reviewed the information regarding the risk associated to the release of high concentration of nitrogen and phosphorous and has found that:

1. A nutrient irrigation management plan will be required for the reuse scheme so that treated wastewater irrigation can be appropriately managed. The Delegated Officer notes that further information will be required to determine nutrient loading of soils as a result of irrigation within the reuse scheme in order to determine regulatory controls for monitoring discharges to land.

3.1.3 Receptors

In accordance with the *Guidance Statement: Risk Assessment* (DER 2017), the Delegated Officer has excluded employees, visitors and contractors of the Licence Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 44 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guidance Statement: Environmental Siting* (DER 2016)).

Table 4: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Residential Premises	The closest residential receptor to the premises is the town-site of South Boulder, located approximately 1.4 kilometres to the north.
Boulder Township	Located approximately 2 kilometres to the north.

BP Kalgoorlie truck stop	Located approximately 500 metres to the north-west of the premises.
Environmental receptors	Distance from prescribed activity
Hannan's lake	The nearest major water natural water body is Hannan's Lake, which is a normally-dry ephemeral lake located immediately to the east of the premises.
Groundwater	Depth to groundwater encountered at approximately 0.5m – 2.6mbgl (based on SWL information from the SBWWTP Facility).

3.2 Soil type

Based on the 1:100,000 Kalgoorlie map series, the geology under the SBWWTP is mapped as predominantly Colluvium (map unit: Czc) with Quaternary Alluvium (map unit: Qa) occurring in the southern third and the north-eastern corner of the SBWWTP. The colluvium present consists of extensive sheets of gravel, sand, silt and clay derived by weathering, erosion and transport of a number of rock types. The Quaternary Alluvium is confined to present day and recent (i.e. paleo-channels) drainage systems, consisting of unconsolidated clay, silt, sand and gravel.

3.3 Meteorology

3.3.1 Wind direction and strength

Wind speed and wind direction are important factors influencing the pathway of emissions. It effects noise propagation and transport of fugitive dust. The closest available wind data for the area can be sourced from the Kalgoorlie Boulder airport weather station (number 012038) which is located 8.4 km north-west of the premises. The Bureau of Meteorology (BoM) provides the 9am and 3pm wind speed and direction for Kalgoorlie Boulder airport weather station. Prevailing winds are to the east, north and south easterly in the mornings, and to the west, south easterly and north westerly in the afternoons. Refer to Figures 2 and 3 below.

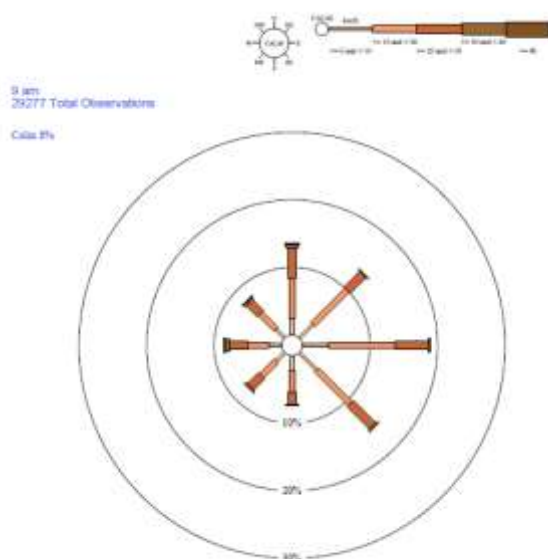


Figure 2: 9am Rose of Wind

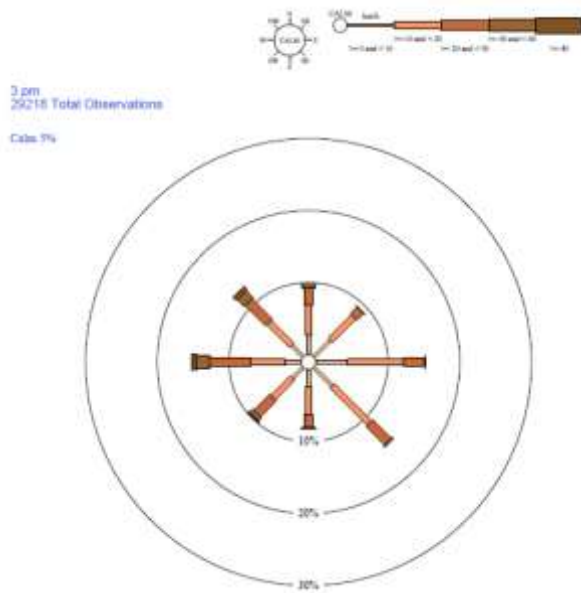


Figure 3: 3pm Rose of Wind

3.3.2 Rainfall and temperature

The closest weather station for rainfall and temperature data is Kalgoorlie Boulder airport site 012038 which is located 8.4 km north-west of the premises. Maximum average rainfall is received in January, February and June annually. Minimum average rainfall is received September to December annually (Figure 4).

Highest average temperatures are experienced December to February annually. Lowest average temperatures are experienced June and July (Figure 4).

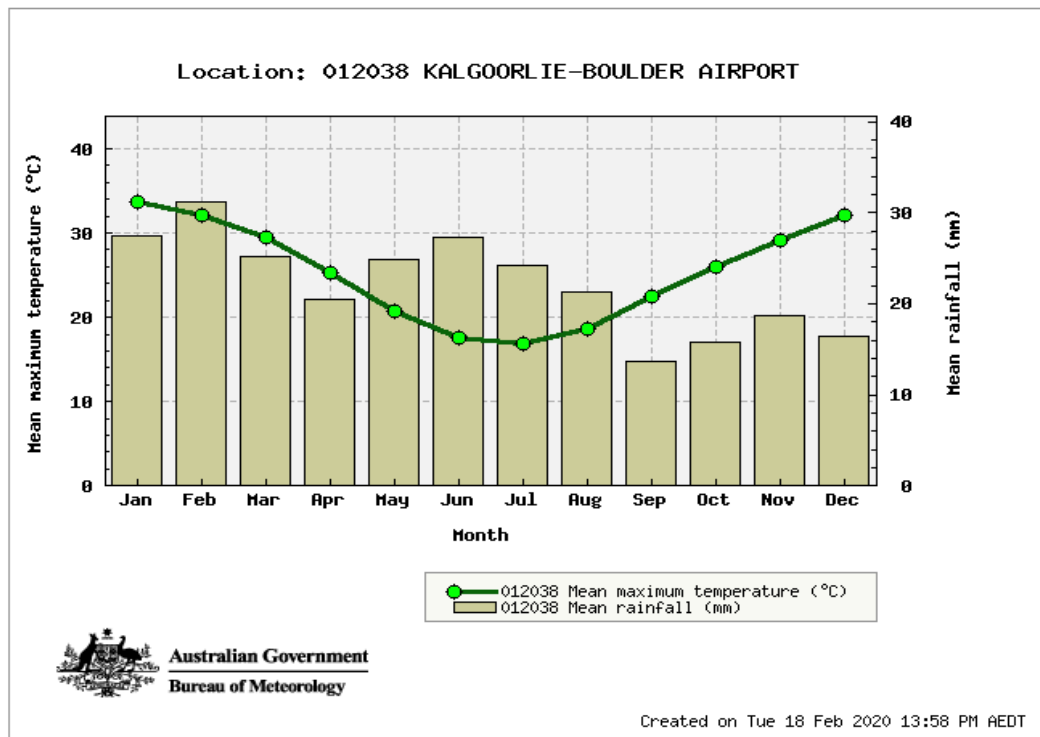


Figure 4: Rainfall and Temperature

3.4 Risk ratings

Risk ratings have been assessed in accordance with the *Guidance Statement: Risk Assessments* (DER 2017) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are in-complete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 5.

The Revised Licence L8560/2011/2 that accompanies this Amendment Report authorises emissions associated with the diversion and treatment of trade waste within the IDEA plant

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 5. Risk assessment of potential emissions and discharges from the proposed WWTP during operation.

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for regulatory controls additional to Licence Holder controls
Source/Activities	Potential emission	Receptors and pathway	Potential impact	Licence Holder's controls				
Operation								
Sewage treatment at the WWTP	Spills, leaks of sewage, sludge at the WWTP.	Direct discharge to soils and infiltration to groundwater	Contamination of soils and groundwater with raised nutrient levels.	Refer to Section 3.1	C = Minor L = Unlikely Risk = Medium	Y	Conditions 4 relating to waste processing within the IDEA plant, 5 relating to containment infrastructure, 6 relating to overtopping, freeboard level, integrity of the containment infrastructure, preventing storm-water runoffs from entering the treatment plant and preventing vegetation from encroaching onto pond surfaces or inner pond embankment and condition 7 relating to removing and disposing spills.	NA- No further conditions are required to be added to the licence.
Sewage treatment at the WWTP	Odour	The closest residential receptor to the premises is the town-site of South Boulder, located approximately 1.4 kilometres to the north.	Amenity impacts	Refer to Section 3.1	C = Minor L = Rare Risk = Medium	Y	Condition 23 relating to recording complaints received about any emissions from the WWTP.	NA- No further conditions are required to be added to the licence. The Delegated Officer considers a separation distance of 1.4km sufficient to ensure odour emissions will not significantly impact upon amenity.
Effluent discharge to the ovals, verge and Hannan's lake	Treated effluent	Direct discharge to ground	Contamination of soils with raised nutrient levels potentially	Refer to Section 3.1	C = Minor L = Unlikely Risk = Medium	Y	Condition 8 relating to managing uncontrolled release of waste water Conditions 10 - 21	NA- No further conditions are required to be added to the licence.

Licence: L8560/2011/2

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for regulatory controls additional to Licence Holder controls
Source/Activities	Potential emission	Receptors and pathway	Potential impact	Licence Holder's controls				
		Pooling and runoff of effluent.	impacting health of the vegetation. Waterlogging of soils and reduced health of the surrounding vegetation.				Limit applied if discharged to Hannan's creek. Annual reporting of monitoring results with comparison against previous results required to confirm plant is operating as expected. <u>The licence holder will now be required to submit in kg/ha/yr total annual loading rates for both TN and TP. Table 13</u>	The Delegated Officer notes that further information will be required to determine nutrient loading of soils as a result of irrigation within the reuse scheme in order to determine regulatory controls for monitoring discharges to land.
	Release of pathogens	Human receptors, and seepage of contaminated water into groundwater	Pathogens in the wastewater may cause gastroenteritis, spread disease or create other public health impacts as well as contaminating the ground water.	Refer to Section 3.1	C = Minor L = Unlikely Risk = Medium	Y	NA- The Department of Health regulates public health impacts from the wastewater scheme. The Delegated Officer has reviewed the Department of Health approval for the reuse scheme and considers it appropriate for the regulation of public health impacts. The Delegated Officer considers that the treatment standard and the quality of water expected prior to irrigation will allow appropriate use of treated wastewater with a low risk to public health.	NA
Sewage treatment at the WWTP	Chlorine gas leak	Ingestion	Health	Refer to Section 3.1	C = Minor L = Unlikely Risk = Medium	Y	Chlorine gas is considered to be a Dangerous Good which are regulated by Department of Mines, Industry Regulation and Safety (DMIRS) under the Dangerous Goods Safety (Storage and Handling of	NA

4. Consultation

Table 66 provides a summary of the consultation undertaken by the department.

Table 6: Consultation

Consultation method	Comments received	Department response
Department of Health (DOH) advised of proposal (2 October 2020)	No comments received.	N/A
Licence Holder was provided with draft amendment on (Date)	The Licence Holder advised on 24 November 2020 that they have no further comments on the draft documents and waived the remaining consultation period.	N/A

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

5.1 Summary of amendments

Table 77 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 7: Summary of licence amendments

Condition no.	Proposed amendments
Cover page	Restructured to clearly indicate what prescribed activities are being conducted on the premises. Assessed production throughputs for each category added, based on information provided by the licence holder (to be reviewed as part of licence review)
	Licence version updated. Issue and expiry dates updated
1	Inclusion of the infrastructure and equipment requirements for the IDEA WWTP
3	Table 2 amended. Licence holder will now be required to discharge tankered waste received on site into the reticulated sewer inlet and diverted to the IDEA WWTP for treatment
	Requirement to accept condensate waste from TWM through piped in flow removed from the licence.
4	Table 3 amended. K210 and K130 waste will now be processed within the IDEA wwtp.

	Requirement to accept condensate waste from TWM through piped in flow removed from the licence
	Requirement to direct and treat tankered waste to waste water ponding lagoon 1 has been removed from the licence
	Processing of condensate waste from TWM removed from the licence
17	Table 8 amended. Tankered waste pit monitoring location removed from the licence
19	Table 10 amended. Influent monitoring location for tankered waste removed from the licence
	Monitoring of the incoming TWM condensate waste removed from the licence
22	Compliance achieved. Removed Table 4.1.1.
25	Table 13 amended. AER Table amended to include results relating to nitrogen and phosphorous contaminant loading to land
33 - 39	Addition of commissioning conditions for the Tristar WWTP - timeframe, monitoring requirements, submission of commissioning report and reporting start and finish of commissioning.
Schedule 2	Addition of premises boundary coordinates
	Deleted the redundant AACR form.

References

1. ANZECC/ARMCANZ, 1997. National Water Quality Management Strategy, Australian Guidelines for Sewerage Systems, Effluent Management
2. Department of Environment Regulation (DER) 2016, *Guidance Statement: Environmental Siting*, Perth, Western Australia.
3. DER 2017, *Guidance Statement: Risk Assessments*, Perth, Western Australia.
4. DER 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
5. Department of Water and Environmental Regulation (DWER) 2019, *Industry Regulation Guide to Licensing*, Perth, Western Australia.

Appendix 1: Pond upgrade summary

Stage A:

1. During WWP1 works full sewer inflow including trade waste disposal directed to IDEA plant. IDEA plant design capacity being 8.0 ML/day.
2. TWM pond excluded from works. Normal operation for sludge lagoon 3 and sludge lagoon 4 as part of IDEA plant.
3. IDEA, treated effluent balance tank (TEBT) outflow directed to old boulder lagoons using existing transfer pumps with temporary pump installation for peak flow transfer to WWP2.
4. WWP1 offline (drain and dry) for upgrade and construction of internal embankment for dual train operation. Includes refurbishment of all existing embankments and pond lining to DWER licence specification.
5. Install new gravity flow pipe from WWP1 dual trains to WWP2, including optional pipework to sludge lagoon areas for future pond capacity (Stage C).

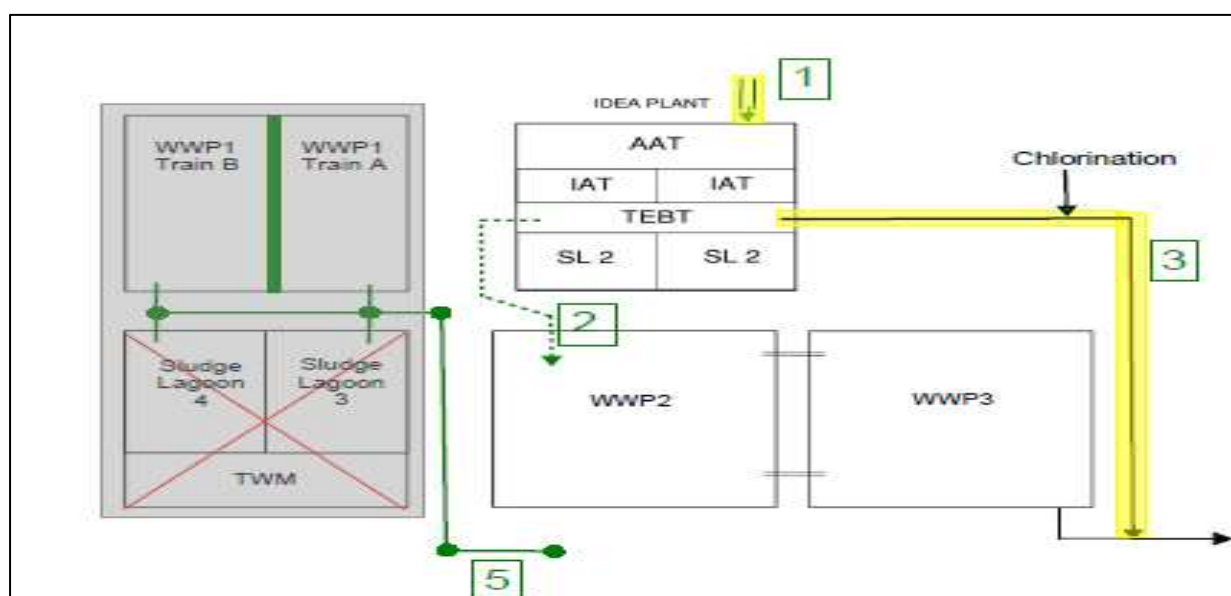


Figure 1: Primary pond upgrade

Stage B:

1. At commencement of stage B works the primary ponds 1 (WWP1) will be empty.
2. 70% of sewage inflow will be directed to the IDEA plant, per normal operation.
3. 30% of sewage flow and all trade waste disposal will be directed to the refurbished primary pond 1 (WWP1).
4. A temporary pump may be required to transfer partially treated pond effluent to the IDEA plant for dilution with IDEA effluent and transfer to old boulder lagoons.
5. The secondary (WWP2) and tertiary (WWP3) pond will be offline, refurbishment of earth fill embankment and clay lining to DWER licence specification.
6. The secondary pond inlet will be installed with 45° bend toward southern embankment with stub baffle 60 m in length.
7. Final maturation pond installed with two 140m long baffles at equal longitudinal spacing.

Excavation and installation of 8000m³ rock filter at outlet.

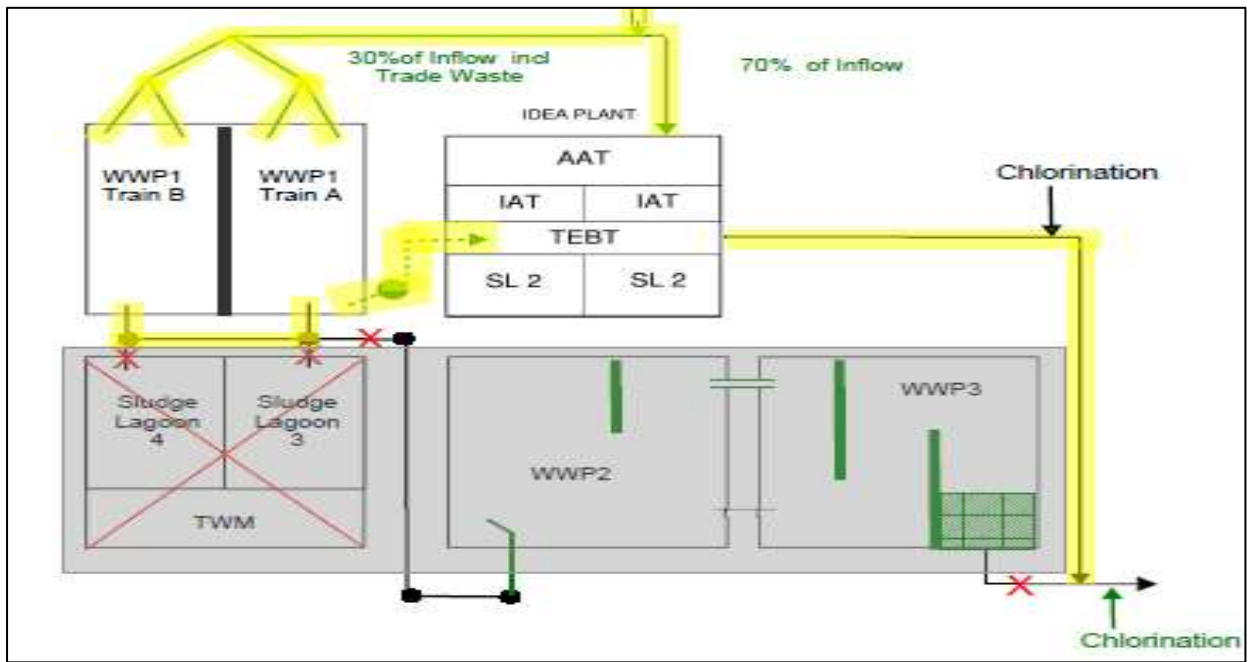


Figure 2: Secondary and Tertiary pond upgrade

Appendix 2: Septage (K210) Waste Quality

Conc. mg/L	1/09/16	1/12/16	1/03/17	1/06/17	1/09/17	1/12/17	1/03/18	1/07/18	Avg.
Ammonium Nitrogen	8.81	17.7	9.9	12.9	14.7	11.2	5.01	9.68	11.2
Ammonia Nitrogen	-	-	-	-	14.9	11.4	5.13	11.3	10.7
Total Nitrogen	32.2	23.7	16.3	15.7	17.8	19.7	8.7	14.7	18.6
Total Phosphorus	10.1	8.0	5.0	7.9	11.0	8.6	4.7	7.9	7.9
TDS	959	847	1330	922	926	1070	1030	897	997
TSS	25	16	36	26	32	70	40	11	32.0
BOD5	29	*1740	26	17	22	22		10	21.0
COD	87	58	85	49	106	132	94	27	79.8

Appendix 3: Application validation summary

PART 1: APPLICATION SUMMARY						
Application type						
1.1	What type of application has the applicant submitted, as indicated in the first section of the <i>IR-F01</i> application form? - South Boulder Wastewater Treatment Plant					
	Works approval	<input type="checkbox"/>				
	Licence	<input checked="" type="checkbox"/>	Relevant works approval number:	TBA	None	<input type="checkbox"/>
	Renewal	<input type="checkbox"/>	Current licence number:			
	Amendment to works approval	<input type="checkbox"/>	Current works approval number:			
	Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L8560/2011/1		
			Relevant works approval number:		N/A	<input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None	<input type="checkbox"/>	
Clearing		Yes	No	Proposed Action / Notes (if applicable)		
1.2	Does the application include a request for clearing under a works approval or licence?	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
	If yes, has the request already been referred to the Native Vegetation Regulation Branch?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Date of referral:	n/a	
Prescribed premises categories		Yes	No	Proposed Action / Notes (if applicable)		
1.3	Has the applicant specified all prescribed premises categories that are relevant to the activities on the premises?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Verification		Yes	No	Proposed Action / Notes (if applicable)		
1.4	Has the correct type of application been applied for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
1.5	Has a response been provided to all applicable sections of the application form?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
1.6	Date application received:	24 August 2020				
1.7	HPRM file reference number:	DWERDT327835				

PART 2		Yes	No	N/A	Proposed Action / Notes (if applicable)
Applicant Details					
2.1	Valid applicant name provided (Full legal name must be provided. Business names not accepted. If a small proprietary company, the Directors' full names must be provided.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Valid ACN provided (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
2.2	Trading name provided (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
2.3	Accurate authorised representative details provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Consent given to correspondence being exclusively via email	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2.4	Physical address for notices served under the EP Act provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
2.5	Postal address for correspondence provided (if different from 2.4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	Contact details for DWER inquiries related to the application provided (if different from 2.3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	Occupier status provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Attachments					
2.8	Proof of occupier status provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Existing prescribed premises
2.9	ASIC current company information extract provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
2.10	Authorisation to act as representative of the occupier provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

PART 3		Yes	No	N/A	Proposed Action / Notes (if applicable)
Premises details					
3.1	Accurate legal land description provided for all areas proposed to be included within the prescribed premises boundary	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Existing prescribed premises
	Premises name provided (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
3.2	Local Government Authority area correctly identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3.3	Accurate GPS or map coordinates provided to identify the premises (required where the proposed premises boundary deviates from a cadastral boundary)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
Attachments					

PART 3		Yes	No	N/A	Proposed Action / Notes (if applicable)
3.4	Aerial photograph of sufficient scale showing the prescribed premises provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
	Site plan of the premises provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Has the applicant provided a map of the proposed premises, clearly marking out the area in which the activities are carried out, identifying:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(a) Layout of key infrastructure and buildings, clearly labelled				
	(b) The premises boundary;	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) Emission and discharge points (with GPS coordinates if available)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
	(d) Sensitive receptors and land uses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
	(e) All areas proposed to be cleared (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NA
	(f) North arrow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Existing prescribed premises
The map is of reasonable quality and has a visible scale	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

PART 4		Yes	No	N/A	Proposed Action / Notes (if applicable)
Proposed activities (including clearing)					
4.1	Description/overview of prescribed activities provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4.2	Estimated operating period provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.3	Proposed date/s for commencement of works provided (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.4	Proposed date/s for commissioning of works provided (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.5	Proposed date/s for commencement of operations provided (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.6	Maximum production or design capacity for each category provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4.7	Estimated or actual throughput for each category provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
4.8	Details of proposed activities provided, identifying:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(a) Scope, size and scale				
	(b) Key infrastructure and equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

PART 4		Yes	No	N/A	Proposed Action / Notes (if applicable)
	(c) Description of processes or operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) Emission and discharge points (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(e) Locations of waste storage or disposal (if applicable)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(f) Activities occurring during construction, commissioning and operation (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Attachments					
4.9	Are emission/discharge points clearly labelled on the map/s required for Part 2.4 of <i>IR-F09</i> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.10	Additional information relating to the proposed activities provided (if required)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Clearing activities (required only if application includes clearing of native vegetation)					
4.11	Proposed clearing area (hectares and/or number of trees) provided	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Clearing not required
4.12	Details of relevant clearing exemptions provided	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4.13	Period within which clearing is proposed to be undertaken provided	<input type="checkbox"/>	<input checked="" type="checkbox"/>		NA
4.14	Purpose of clearing provided	<input type="checkbox"/>	<input checked="" type="checkbox"/>		NA
Attachments (required only if application includes clearing of native vegetation)					
4.15	Sufficient aerial photograph or map of area proposed to be cleared provided	<input type="checkbox"/>	<input checked="" type="checkbox"/>		NA
4.16	Additional information to assist in clearing assessment provided (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

PART 7		Yes	No	N/A	Proposed Action / Notes (if applicable)
Other Approvals and Consultation					
7.1	Is the proposal a Major Project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
7.2	Is the project subject to a State Agreement Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	If "yes", specify:				
7.3	Has the proposal been allocated to a 'Lead Agency'?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	If "yes", specify:				
7.4	Has the proposal been referred and/or assessed under the EPBC Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
	If "yes", specify:				

PART 7		Yes	No	N/A	Proposed Action / Notes (if applicable)
7.5	Has the proposal obtained all relevant planning approvals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		No planning approval required. CKB operates the WWTP
	If a planning approval is not necessary, has the applicant provided details indicating why?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.6	If the application is for a renewal or amendment, is the relevant planning approval still valid (that is, not expired)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7.7	Has the proposal obtained all other necessary statutory approvals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Applicant will get email confirmation from DoH
	If not, has the applicant provided details of approvals already obtained, outstanding approvals, and expected dates for obtaining these outstanding approvals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7.8	Have all identified direct interest stakeholders been invited to make representations during the consultation period?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DoH will be invited to provide comments
Attachments					
7.9	Has the applicant provided details of other approvals specified in Part 7 and consultation documentation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

PART 8		Yes	No	N/A	Proposed Action / Notes (if applicable)
Fit and Competent Operator					
8.1-8.11	Has the applicant correctly completed Part 8 of the application form?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.12	If the applicant has marked "yes" to any of 8.3 – 8.11, have they provided in 8.12 details of any convictions, penalties paid for an offence or licences or other authorisation suspended or revoked?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	