



Application for Works Approval Amendment

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

| | |
|------------------------------|---|
| Works Approval Number | W6397/2020/1 |
| Works Approval Holder | Water Corporation |
| ACN | 003 434 917 |
| File Number | DER2020/000170~6 |
| Premises | Wickham Wastewater Treatment Plant Lot 120 Point Samson – Roebourne Road Legal description – Crown Reserve 37120 Lot 120 on Plan 214456 Certificate of Title Volume LR3062 Folio 671 As defined by the premises map in Schedule 1 of the Revised Works Approval |
| Date of Report | 30 June 2023 |
| Decision | Revised works approval granted |

MANAGER WASTE INDUSTRIES REGULATORY SERVICES

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

Table of Contents

| | |
|---|----------|
| 1. Decision summary | 1 |
| 2. Scope of assessment | 1 |
| 2.1 Regulatory framework | 1 |
| 2.2 Application summary | 1 |
| 3. Consultation | 2 |
| 4. Conclusion | 2 |
| 4.1 Summary of amendments | 2 |
| Appendix 1: Application validation summary | 3 |

1. Decision summary

The Delegated Officer has determined to make amendments to Works Approval W6397/2020/1. The amendments are administrative in nature therefore they do not alter the risk profile of the Premises, providing that activities, emissions and receptors as stated in existing approvals remain unchanged.

This Amendment Report documents the amendments made pursuant to section 59 and 59(B) of the *Environmental Protection Act 1986* (EP Act).

The decision report for the existing works approval will remain on the department's website for future reference and will act as a record of the department's decision making.

2. Scope of assessment

2.1 Regulatory framework

In amending the works approval, 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 W6397/2020/1 is held by Water Corporation (*Works Approval Holder*) for the Wickham Wastewater Treatment Plant (WWTP) (the premises), located at Lot 120 Point Samson – Roebourne Road.

The Premises relates to the category and the assessed design capacity under *Schedule 1* of the Environmental Protection Regulations 1987 (EP Regulations) which are defined in Works Approval W6397/2020/1.

On 28 April 2023, the Works Approval Holder submitted an application to the department to amend Works Approval W6397/2020/1 under section 59B of the *Environmental Protection Act 1986* (EP Act). The amendment is limited to extending the authorised commissioning date specified in the works approval.

The extension is being sought due to rectification works needing to be undertaken on the geobag dewatering infrastructure that was constructed under the works approval. During the commissioning of the geobag dewatering area, it was noted that a section of the newly set up concrete slab was constructed to a negative fall in the wrong direction. Leachate draining out of the geobag was able to runoff from the dewatering area and pool on unsealed ground. This occurred for approximately 72 hours and less than 1 kL is estimated to have seeped to ground.

Due to the issue, the geobag dewatering area is no longer being commissioned until rectifications can occur to fix the fall direction or otherwise achieve appropriate containment. An extended commissioning period is needed to correct the issue and continue commissioning.

The exact manner in which containment at the geobag dewatering area will be rectified is yet to be finalised, however the works will comprise whichever of the following methods is deemed most suitable:

- Resurface the concrete pad so a correct negative fall is achieved;
- Reconfigure the pad by adding bunds on the negative fall side and rearrange pipework to ensure containment and drainage back to the ponds; or
- Completely remove and replace the concrete slab so a correct negative fall is achieved.

3. Consultation

The Works Approval Holder was provided with the draft Amendment Report on 29 May 2023. On 28 June 2023 the Works Approval Holder advised they had no comments.

4. Conclusion

The Delegated Officer does not consider that a full risk assessment is required in relation to the application. The scope of the rectification work is minor and being done to ensure emissions and discharges during operations align with the original works approval assessment. The risk of emissions during construction works for the dewatering area have already been determined in the original works approval assessment.

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

4.1 Summary of amendments

Table 1 below provides a summary of the proposed amendments and will act as a record of implemented changes. All proposed changes have been incorporated into the revised works approval as part of the amendment process.

Table 1: Summary of works approval amendments

| Condition no. | Proposed amendments |
|---|---|
| 6: Table 2 Authorised commissioning duration | For a period not exceeding 31 September 2023 180 calendar days in aggregate. |

Appendix 1: Application validation summary

| SECTION 1: APPLICATION SUMMARY | | | | | |
|---|---|---|---|--|------------------------------|
| Application type | | | | | |
| Works approval | <input type="checkbox"/> | | | | |
| Licence | <input type="checkbox"/> | Relevant works approval number: | | None <input type="checkbox"/> | |
| | | Has the works approval been complied with? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| | | Has time limited operations under the works approval demonstrated acceptable operations? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | | Environmental Compliance Report / Critical Containment Infrastructure Report submitted? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| | | Date Report received: 25 November 2022 | | | |
| Renewal | <input type="checkbox"/> | Current licence number: | | | |
| Amendment to works approval | <input checked="" type="checkbox"/> | Current works approval number: | W6397/2020/1 | | |
| Amendment to licence | <input type="checkbox"/> | Current licence number: | | | |
| | | Relevant works approval number: | | N/A <input type="checkbox"/> | |
| Registration | <input type="checkbox"/> | Current works approval number: | | None <input type="checkbox"/> | |
| Date application received | | 28 April 2023 | | | |
| Applicant and Premises details | | | | | |
| Applicant name/s (full legal name/s) | | Water Corporation | | | |
| Premises name | | Wickham Wastewater Treatment Plant | | | |
| Premises location | | Lot 120 Point Samson – Roebourne Road | | | |
| Local Government Authority | | City of Karratha | | | |
| Application documents | | | | | |
| HPCM file reference number: | | DWERDT771204 | | | |
| Key application documents (additional to application form): | | Nil | | | |
| Scope of application/assessment | | | | | |
| Summary of proposed activities or changes to existing operations. | | <u>Works approval amendment</u> Extension of the authorised duration for environmental commissioning until the end of July 2023. The extension is being sought due to a negative fall in the wrong direction being noted in the newly constructed sludge drying bed. An extension to the duration is required to rectify the issue and continue commissioning. | | | |
| Category number/s (activities that cause the premises to become prescribed premises) | | | | | |
| Table 1: Prescribed premises categories | | | | | |
| Prescribed premises category and description | Assessed production or design capacity | Proposed changes to the production or design capacity (amendments only) | | | |
| Category 54: sewage facility | 950 m ³ /day | No change proposed. | | | |

| Legislative context and other approvals | | |
|--|--|---|
| Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/> |
| Does the applicant hold any existing Part IV Ministerial Statements relevant to the application? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Ministerial statement No: EPA Report No: |
| Has the proposal been referred and/or assessed under the EPBC Act? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Reference No: |
| Has the applicant demonstrated occupancy (proof of occupier status)? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Certificate of title <input checked="" type="checkbox"/> - Provided with initial works approval application, not this one General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry: |
| Has the applicant obtained all relevant planning approvals? | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> | If N/A explain why? Exempt as public works |
| Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | CPS No: N/A No clearing is proposed. |
| Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Application reference No: N/A Licence/permit No: N/A No clearing is proposed. |
| Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Application reference No: Licence/permit No: Licence / permit not required. |
| Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Name: Pilbara Groundwater Area and Pilbara Surface Water Area Type: Proclaimed Groundwater Area and Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: North West |
| Is the Premises situated in a Public Drinking Water Source Area (PDWSA)? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> |

| | | |
|--|--|---|
| <p>Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> | <p>Environmental Protection (Controlled Waste) Regulations</p> |
| <p>Is the Premises within an Environmental Protection Policy (EPP) Area?</p> | <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> | |
| <p>Is the Premises subject to any EPP requirements?</p> | <p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> | |
| <p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p> | <p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> | <p>Preliminary groundwater data indicate that nutrients (such as nitrogen and phosphorus) and several metals (such as arsenic, cobalt and copper) are present at concentrations above assessment levels (marine 99% species protection). Data also indicate that elevated concentrations of nutrients and metals are present in sediment porewater within the adjacent tidal flats, indicating that the site may be affecting nearby land.</p> <p>CS HPCM file shows that Water Corporation has submitted additional investigations/risk assessments since site classification and have also submitted a request to reclassify the site as <i>remediated for restricted use</i> which is yet to be determined.</p> <p>Classification: possibly contaminated – investigation required (PC-IR)</p> <p>Date of classification: 8 July 2021</p> |