

Notice

Water Act 2000

Notice of approval of Underground Water Impact Report

This statutory notice is issued by the chief executive¹ pursuant to section 385(4) of the Water Act 2000 to advise you of the decision to approve your Underground Water Impact Report.

Harcourt (Queensland LLC),
Mitsui E&P Australia Pty Ltd and
Westside Mungi Pty Ltd
C/- Westside Mungi Pty Ltd
HSBC Level 17 300 Queen Street
BRISBANE QLD 4000
Your reference: PL1048 and PL1049
Our reference: 101/0038037-001(E)

Attention: Mr Rob Uilly

Dear Sir

Re: Notice of approval of Underground Water Impact Report

The chief executive received the Underground Water Impact Report (UWIR) described below.

1. Report details

Date UWIR received: 24 September 2021

In relation to: PL1048 and PL1049

2. Decision

The chief executive has approved the UWIR with conditions. Please find attached the conditions of approval (Attachment A). The approved report takes effect on 10 January 2022.

3. Public notice

As per section 386 of the *Water Act 2000*, within 10 business days after receiving this notice of approval, you must:

- publish a notice about the approval on your website that states that copies of the approved report may be obtained from you and how the copies may be obtained; and
- give a copy of this notice of approval to each bore owner of a water bore within the area to which the report relates.

¹ The Department of Environment and Science is the chief executive for Chapter 3 of the *Water Act 2000*.

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Within 15 business days after receiving this notice of approval, you must advise the chief executive that you have complied with the requirements outlined above.

4. Penalties

Under section 386(1) of the *Water Act 2000*, failure to comply with this direction notice is an offence.

- A maximum penalty for an individual is 50 penalty units, totalling \$6,892.50
- A maximum penalty for a corporation is 250 penalty units, totalling \$34,462.50

5. Human rights

A human rights assessment was carried out in relation to this decision/action and it was determined that no human rights are engaged by this decision.

If you have any questions regarding this notice please contact Adam Burt on the telephone number listed below.

Yours sincerely,



Signature

6 January 2022

Date

Kate Grayson
Manager - Assessment
Department of Environment and Science
Delegate of the chief executive
Water Act 2000

Enquiries:
Adam Burt
GPO Box 2454, BRISBANE QLD 4001
Telephone: (07) 3330 5609

Attachments

Attachment A - Conditions of approval

Attachment A- Conditions of approval

Annual Review

- (1) The **responsible entity** must submit to the **chief executive** a summary of the annual review required under section 376(e)(ii) of the *Water Act 2000*, within 20 business days after each **anniversary day**, or another date agreed to in writing by the **chief executive**. The annual review must provide an analysis and a statement of whether there has been a material change in the information or predictions used to determine the IAA.

Monitoring

- (2) All monitoring required of the **responsible entity** under the **UWIR** must be undertaken by a **suitably qualified person**.
- (3) All laboratory analyses and tests of monitoring undertaken under the **UWIR** must be carried out by a laboratory that has **NATA** accreditation for such analyses and tests.
- (4) Notwithstanding condition (3), where there are no laboratories that have **NATA** accreditation for a specific analyte or substance, then duplicate samples must be sent to at least two separate laboratories for independent testing or evaluation.
- (5) The methods of groundwater sampling required by the **UWIR** must comply with the latest edition of the *Queensland Monitoring and Sampling Manual*, AS/NZS 5667:11 1998 *Water Sampling Guidelines – Part 11 Guidance on sampling groundwater*, and the Australian Government's *Groundwater Sampling and Analysis – A Field Guide* (2009:27 GeoCat #6890.1) as relevant as may change from time to time.
- (6) The volume of produced water must be monitored and recorded and provided to the relevant authority in the form of an annual report.
- (7) The holder of this **UWIR** must continue to assess the actual groundwater abstraction using an acceptable methods. The method used must be reviewed annually and revised as necessary.
- (8) The actual groundwater take must be assessed as per the *Petroleum and Gas (Production and Safety) Act 2004*, requirements and compared to the predicted groundwater take presented in the most recent **UWIR** annually.
- (9) If the monitoring program shows groundwater take exceeds the predictions presented in the **UWIR**, an investigation must be undertaken to confirm whether the actual impacts on groundwater users or environmental values, as defined under the *Environmental Protection Act 1994* and subordinate legislation, are likely to be significantly greater than expected.

The investigation outcomes are to be considered as part of the annual **UWIR** review.

- (10) The following groundwater management monitoring and measurement measures must be implemented
- (a) Groundwater monitoring is to be conducted on water supply bores screened within the Rewan Group or Baralaba Coal Measures that are located within 2 km of a proposed CSG well, prior to the establishment and development of the well.
 - (b) Groundwater monitoring must record groundwater levels and the collection of groundwater samples for preliminary laboratory testing. Changes in water levels and basic groundwater quality are to be considered as triggers for the identification of potential impacts. Water quality parameters to be analysed as part of this monitoring program must comprise:

- a. pH

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- b. Electrical conductivity (EC)
 - c. Total Dissolved Solids (TDS)
 - d. Major Ionic Constituents - Ca, Mg, K, Na, Cl, CO₃, HCO₃, SO₄
- (c) Monitoring must be conducted on an annual basis with the first monitoring round to be completed prior to the establishment/operation of the adjacent CSG well (within 2km of the CSG well).
- (d) Should monitoring indicate that the bore trigger threshold will be exceeded, make good agreements must be implemented with each bore owner where required, prior to the trigger threshold being exceeded.

DEFINITIONS

Anniversary day means each anniversary of the day the UWIR took effect.

Chief executive means the Director-General of the department responsible for administering Chapter 3 of the *Water Act 2000* or the persons delegated the powers of the chief executive as stated in the *Water Act* (EHP-Chief Executive) Delegation (No. 1) 2017 or subsequent versions.

NATA accreditation means accreditation by the National Association of Testing Authorities Australia.

Responsible entity means Mitsue E&P Australia Pty Ltd, Westside Mungi Pty Ltd and Harcourt (Queensland) LLC in accordance with section 368 of the *Water Act 2000*.

Suitably qualified person means a person who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature.

UWIR means the underground water impact report prepared by KCB Australia Pty Ltd for PL1048 and PL1049 dated 31 August 2021.