|  |
| --- |
| **Information required for reporting the take of Associated Water (AWT) by mining tenure holders under the Mineral Resources Act 1989 s334ZP and the Mineral Resources Regulation 2013 (MRR) s31A-31C. Complete all three tables below. Add new rows as required.** |

|  |
| --- |
| **Mine data** |
| Attribute name | **Tenure identifier1** | **Mine name2** | **Mined product3** | **Geological basin being extracted from4** | **Code/dewatered geological formation/Stratigraphic unit5** | **Above or below uppermost water table6** | **Type of seepage7** | **Section name8** | **Comments9** |
| Example | MDL 123, ML 123456 | New Sun Mine | Coal | Bowen | WANDA Wandoan Formation | Below water table | C | Middle |  |
|  |  |  |  |  |  |  |  |  |  |
| 10Description of aquifer interference activityExample: Mine dewatering of underground water to the extent necessary to achieve safe operating conditions in the mine. |

|  |
| --- |
| This table should be completed if you are operating a bore or bore field. Details of extraction bores should be provided using the template available on <https://www.business.qld.gov.au/industries/mining-energy-water/resources/minerals-coal/reports-notices/water-reporting> |
|  |
| Attribute name | **Are you operating a bore/bore field to extract AW** | **GWDB RN numbers for water bores11** | **Compliant Meter Installed on Bore12** | **Year Compliant Meter to be Installed13** | **Comments9** |
| Example | Yes | RNxxxxxx | Yes | 2021 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

|  |
| --- |
| **Total volume of Associated Water taken** |
| Attribute name | **14Reporting Period - Date from** | **15Reporting Period - Date to** | **16Total volume of Associated Water taken in Megalitres (ML)** | **17Calculation method used** | **18Calculation frequency** | **19Alternative method used** | **20Date of approval** | **21Supporting information**  |
| Example | 1 Jul 2019 | 31 Oct 2020 | 450 | B | D | Y | 10 Oct 2019 | Y |
|  |  |  |  |  |  |  |  |  |
| Explanation |
| 1The identifier in the format ML XXXXXX for mining leases or MDL XXX for mineral development leases. Multiple entries can be made, however leases/licences included in one report must be contiguous and form part of one operation. Only include tenures that are contributing to the associated water volume being reported. All other tenures that are not contributing to the associated water volume total should be recorded separately.  |
| 2The name of the mine operation (e.g. New Acland Mine, Carmichael Mine). The mine operation may contain multiple leases/licences but these must be contiguous and form part of one operation. |
| 3The material that is mined ie coal, silver, silica etc. |
| 4The geological basin that the mine is extracting product from ie Bowen Basin, Galilee Basin. |
| 5Refer to Formation Codes Table available from Business QLD web site <https://www.business.qld.gov.au/industries/mining-energy-water/resources/minerals-coal/reports-notices/water-reporting> |
| 6Is the mine pit floor or lowest underground working below the water table (or if more than one – below the uppermost water table)? Y= yes, N = no |
| 7Type of seepage into the mine workings: C = continuous, E = episodic, N = not evident in the reporting period. |
| 8If the mine is divided into separate sections for the purposes of the calculation - name of the section. Please attach map showing sections. |
| 9Any relevant comments. |
| 10Description of aquifer interference activity (Refer to Section 2 of the Guideline) |
| 11It is mandatory to provide DNRME with a drillers log for all water bores drilled under the Water Act. The department assigns a registered number (RN) for each new bore. |
| 12Choose Y=Yes or N=No for identifying whether the bore is equipped with a meter compliant with AS4747-2013 and hence the water volume is accurately measured. |
| 13If a meter compliant with AS4747-2013 has not been installed, identify the year that the meter is planned for installation (see Guideline "Quantifying the volume of associated water taken under a mining lease or mineral development licence" for timing requirements for the installation of compliant meters).  |
| 14Start date and 15finish date for the period over which the volume of water was produced.  |
| 16The volume of water in megalitres (ML) taken from the section over the period specified in the Date from and Date to fields (inclusive), as calculated by the stated method |
| 17Calculation method used: A - Alternative method; B - Direct measurement from borefield AND Water balance method; D - Direct measurement from bore field; W - Water balance method; NM - Numerical groundwater model; AM - Analaytical groundwater model |
| 18Choose from D = daily. M = Monthly Y= yearly |
| 19The volume of associated water taken due to groundwater ingress into a mine must be quantified using the methods outlined in Section 3.2.2 of the Guideline unless an alternative method is approved by the chief executive in accordance with the Regulation. Choose Y=Yes or N=No. |
| 20If an alternative method has been approved by DNRME, give date of approval letter. |
| 21Supporting information on the calculation used for this report. Use Y= files are uploaded that include supporting information; N = no files uploaded |

**Good industry practice**

**Please provide details on:**

* Conceptual hydrological description of the site as it applied to AWT reporting
* Supporting information for associated water take volume calculations (Mineral Resources Regulation 2013 s31BA: Supporting information must be provided if requested by Chief Executive)
* Relevant details of the AWT related data collection and management