GENERAL INFORMATION

Mark the applicable option(s) with an *X* and/or complete details where applicable/available.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.1 | Indicate the nature of this application: |  | | Licence | | | | | | |
| 1.2 | Have you already registered this water use with the Department of Water and Sanitation? |  | | Yes |  |  | | No | | |
|  | Registration number: | | | | | | | |
|  | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | | |
|  | Water use number: | | | | | | | |
|  | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | | | | | | |
|  |  |  |  | | | | | New | Existing (If existing provide details) | Details  of the existing water use |
| 1.3 | Indicate which Section 21 water use that forms part of this water use licence application:(mark applicable block with X) | Section 21(a): Taking water from a water resource; | | | | | |  |  |  |
| Section 21(b): storing water; | | | | | |  |  |  |
| Section 21 (c): impeding or diverting the flow of water in a watercourse; | | | | | |  |  |  |
| Section 21 (d): engaging in a stream flow reduction activity contemplated in section 36; | | | | | |  |  |  |
| Section 21 (e): engaging in a controlled activity; intentional recharging of an aquifer with any waste or water containing waste; | | | | | |  |  |  |
| Section 21 (e): engaging in a controlled activity; irrigation of any land with waste or water containing waste generated through any industrial activity or by a waterwork | | | | | |  |  |  |
| Section 21(f) discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit; | | | | | |  |  |  |
| Section 21 (g) disposing of waste in a manner which may detrimentally impact on a water resource; | | | | | |  |  |  |
| Section 21 (h) disposing in any manner of water which contains waste from, or which has been heated in, any industrial or power generation process; | | | | | |  |  |  |
| Section 21 (i) altering the bed, banks, course or characteristics of a watercourse; | | | | | |  |  |  |
| Section 21 (j) removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity or for the safety of people; and people | | | | | |  |  |  |
| Section 21 (k) using water for recreational purposes. | | | | | |  |  |  |
|  |  |  | | |  | |  | | | |
|  |  |  | ***Note:*** *If a water use was selected, ensure that an application form has been submitted.* | | | | | | | |
| 1.4 | Do you have a licence for this water use? (Issued in terms of the National Water Act(Act No. 36 of 1998) |  | | Yes |  |  | | No | | |
|  | Licence number: | | | | | | | |
|  | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | |
|  |  | Responsible Licensing Authority Business Unit | | | | | | | |
|  | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | / |  |  | |  | | | | | | | | | | | | | | | | | | |

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| **1.5** | **Applicant Type** (mark only one block with X) | | | | | | | | | | | | | |
|  | Individual (complete 1.6) | | | | | | | Provincial Department (complete 1.9) | | | | | | |
| Company, business, partnership or community (complete 1.7) | | | | | | | Water Services Provider (complete 1.10) | | | | | | |
| National Department (complete 1.8) | | | | | | | Water User Association (complete 1.11) | | | | | | |
|  |  | | | | |  |  | | | | | | | |
| **1.6** | **If the applicant is an individual** | | | | | | | | | | | | | |
| **1.6.1** | Title\* | |  | | --- | |  | | Surname\* | | |  | | --- | |  | | | | | | | | Initials\* | | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | |
|  |  |  | | | | | |  | |  | | | | |
| **1.6.2** | **South African ID (if holder of South African Id) alternatively Passport Number:** | | | | | | | | | | | | | | |
|  | ID Number or Passport Number\* | | | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | | | |
|  |  | | |  | | | | | | |  | |  | | |
|  | Passport Expiry Date\* (ccyymmdd) | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | |  | | | | | | |
|  |  | | |  | | | | |  | | | |  | | |
|  | Passport Country of Issue\* | | | |  | | --- | |  | | | | | | | | | | | | |
|  |  | | |  | | | | | | | | | | | |
| **1.7** | **If the applicant is a company, business, partnership or community:** | | | | | | | | | | | | | |
| **1.7.1** | Name of company, business, partnership or community:\* | | | | | | | | | | | | | |
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| **1.7.2** | Business Enterprise Registration Number\* | | | |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | / |  |  | | | | |
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| **1.7.3** | Date Established (ccyymmdd)\* | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | |
|  |  | | |  | | | |
|  | Country Where Established\* | | | |  | | --- | |  | | | | |
|  |  | | |  | | | |
| **1.8** | **If the applicant is a National Department:** | | | | |
| **1.8.1** | National Department Name: \* | | |  | | --- | |  | | | |
|  |  | | | | |
| **1.9** | **If the applicantis a Provincial Department:** | | | | |
| **1.9.1** | Province: \* | | |  | | --- | |  | | | |
|  |  | |  | | |
| **1.9.2** | Provincial Department Name: \* | | |  | | --- | |  | | | |
|  |  | | | | |
| **1.10** | **If the applicant is a Water Services Provider:** | | | | |
| **1.10.1** | Name of WSP: \* | | |  | | --- | |  | | | |
|  | Note: \* indicate compulsory field | | | | |
| **1.11** | **If the applicant is a Water User Association:** | | | | |
| **1.11.1** | Name of WUA: \* | | |  | | --- | |  | | | |
|  |  | |  | | |
|  | | **BBBEE Status** | |  | | | |
|  | | (Mark the applicable option with an X) | | | |  | |
|  | |  | Historically Disadvantaged Individual (HDI) | | | | |
|  | |  | Historically Advantaged Individual (HAI) | | | | |
|  | |  | Black Economic Empowerment (BEE) Compliant | | | | |

Declaration by applicant

**Delete the words that are not applicable** I/we                                                       (FULL NAME(S)) hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct.

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|  |  |  | |  |  |
| Signature |  | Thumb print |  | | Contact number during office hours |
|  |  |  |  | |  |
| Designation of signatory |  |  |  | | Date (ccyy/mm/dd) |

It is a criminal offence to provide information that is false or misleading.

1. **DESCRIPTION OF THE WASTEWATER OR WASTE GENERATED**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2.1** | **Select the sector that generates the wastewater or waste which this application refers to**  (mark only **one** with an X) | |  | | | Industry | | | | | | | | | | | |
|  |  | |  | | | Coalbed methane |  | | | Underground coal gasification | | | | | | | |
|  |  | |  | | | Shale gas |  | | | Other (please specify below) | | | | | | | |
|  |  | |  | | | |  | | | | | | | | | | |
|  |  | |  | | |  |  | | | | | | | | | | |
| **2.2** | **Which of the following describes the nature of the flowback wastewater?**(Mark at least one of the applicable option(s) with an X) | | 2.2.1 Wastewater containing <70% water by mass (i.e. sludge) | | | | | | | | | | | |  | |  |
|  |  | | 2.2.2 Wastewater containing >70% water by mass | | | | | | | | | | | |  | |  |
|  |  | | 2.2.3 Wastewater with high acidity (i.e. pH <5) or alkalinity (i.e. pH >10) | | | | | | | | | | | |  | |  |
|  |  | | 2.2.4 Wastewater with temperature of >50oC | | | | | | | | | | | |  | |  |
|  |  | | 2.2.5 Wastewater with an oxygen content of <5 mg/l | | | | | | | | | | | |  | |  |
|  |  | | 2.2.6 Wastewater with an EC (Electrical Conductivity) of >500mS/m | | | | | | | | | | | |  | |  |
|  |  | | 2.2.7 Wastewater with an EC of <500mS/m | | | | | | | | | | | |  | |  |
|  |  | |  | | | | | | | | | | | |  | |  |
| **2.3** | **Which of the following describes the nature of the produced wastewater?**(Mark at least one of the applicable option(s) with an X) | | 2.3.1 Wastewater containing <70% water by mass (i.e. sludge) | | | | | | | | | | | |  | |  |
|  |  | | 2.3.2 Wastewater containing >70% water by mass | | | | | | | | | | | |  | |  |
|  |  | | 2.3.3 Wastewater with high acidity (i.e. pH <5) or alkalinity (i.e. pH >10) | | | | | | | | | | | |  | |  |
|  |  | | 2.3.4 Wastewater with temperature of >50oC | | | | | | | | | | | |  | |  |
|  |  | | 2.3.5 Wastewater with an oxygen content of <5 mg/l | | | | | | | | | | | |  | |  |
|  |  | | 2.3.6 Wastewater with an EC (Electrical Conductivity) of >500mS/m | | | | | | | | | | | |  | |  |
|  |  | | 2.3.7 Wastewater with an EC of <500mS/m | | | | | | | | | | | |  | |  |
|  |  |  | |  | | |  | |  | | | | | | | | |
| **2.4** | **Which of the following describes the composition of the flowback wastewater?**Mark at least one of the applicable option(s) with an X) | | 2.4.1 Wastewater consisting of > 90% organic content by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | | 2.4.2 Wastewater consisting of 50 – 90% organic content and 10 – 50% metals or salts by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | | 2.4.3 Wastewater consisting of 10 – 50% organic content and 50 – 90% metals or salts by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | | 2.4.4 Wastewater consisting of >90% metals or salts by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | |  | | | | | | | | | | |  |  | |  |
| **2.5** | **Which of the following describes the composition of the produced wastewater?** Mark at least one of the applicable option(s) with an X) | | 2.5.1 Wastewater consisting of > 90% organic content by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | | 2.5.2 Wastewater consisting of 50 – 90% organic content and 10 – 50% metals or salts by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | | 2.5.3 Wastewater consisting of 10 – 50% organic content and 50 – 90% metals or salts by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | | 2.5.4 Wastewater consisting of >90% metals or salts by mass (i.e. load) | | | | | | | | | | | |  | |  |
|  |  | |  | | |  |  | |  | | |  | | | | | |
| 2.6 | Describe the activity that generates the waste \* | |  | | | | | | | | | | | | | | |
| **2.7** | **Which phase of unconventional gas activity is going to be applied?**  **(**Mark at least one of the applicable option (s)with an X and indicate area in hectares or square kilometres) | |  | | Demonstration plant | | | Area (in hectares/Sq.km): | | | | | | | |  | |
|  |  | |  | | Production | | | Area(in hectares/Sq.km): | | | | | | | |  | |
|  |  | |  | | Decommissioning | | | Area(in hectares/Sq.km): | | | | | | | |  | |
| **2.8** | Is this a re-fracturing or similar related activity? (Mark the applicable options with an X) | |  | | Yes (if yes is selected, then complete 2.9 ) | | | | | |  | | No | | | | |
| **2.9** | Describe the re-fracturing activity | |  | | | | | | | | | | | | | | |

|  |  |
| --- | --- |
| 3 | Well pad and Well Information (Please complete supplementary form DW908) |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | Details of water use | | | | | | | | | | |  | | | | | | | |
| 4.1 | Water use start & end date | | | | | | | | | | |  | | | | | | | |
|  | When did/will this water use start? (ccyymmdd)\* | | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | | | | | |
|  |  | | | | | | | | | | | |  | | | | | | |
|  | When did/will this water use end? (If applicable)  (ccyymmdd) | | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | | | | | |
|  |  | | | | | | | | | | | |  | | | | | | |
| 4.2 | Portion of property/land under unconventional gas activity | | | | | | | | | | | |  | | | | | | |
|  | Total area \* | | | | | |  | | --- | |  | | | | | hectares | | | | | | | | | |
|  |  | | | | | | |  | | | | | | | | |  | | |
| 4.3 | Volume of wastewater (flowback and produced (cubic metres) | | | | | | | | | | | | | | | | | | |
|  | Total volume of flowback wastewater per year\* | | | | | | | | | | |  | | | | | | | |
|  | Maximum volume of flowback wastewater on any given day | | | | | | | | | | |  | | | | | | | |
|  | Total volume of produced wastewater per year\* | | | | | | | | | | |  | | | | | | | |
|  | Maximum volume of produced wastewater on any given day | | | | | | | | | | |  | | | | | | | |
|  |  | | | | | | | | | | |  | | | | | | | |
| 4.4 | Monthly flowback wastewater pattern expressed in: | | | | | | | | | | | | | | Cubic metres | | | |  |
|  |  | | | | | | | | | | | | | | | | | | |
|  |  | | | **Minimum** | | | | | | | | | | **Average (compulsory)** | | | | **Maximum** | |
|  | January | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | February | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | March | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | April | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | May | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | June | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | July | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | August | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | September | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | October | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | November | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | December | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
| 4.5 | Monthly produced wastewater pattern expressed in: | | | | | | | | | | | | | | Cubic metres | | | |  |
|  |  | | | | | | | | | | | | | | | | | | |
|  |  | | | **Minimum** | | | | | | | | | | **Average (compulsory)** | | | | **Maximum** | |
|  | January | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | February | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | March | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | April | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | May | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | June | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | July | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | August | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | September | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | October | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | November | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
|  | December | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | |
| 5. | | Origin of unconventional gas injection water | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | |  | | | | | | | | | | | | |
|  | | National Water Act - Section 21(?) Water Use | | | | | | | | | | | | | | | | | | |
|  | | Section 21(Indicate applicable S21 water use below) | Registered\* | | | Volume of water (m³) | | | | | | If Registered\* | | | | | | | | |
| **Register number** | | | | | **Water Use Number** | | | |
|  | Yes | No | |  | | | | | |  | | | | |  | | | |
|  | Yes | No | |  | | | | | |  | | | | |  | | | |
|  | Yes | No | |  | | | | | |  | | | | |  | | | |
|  | Yes | No | |  | | | | | |  | | | | |  | | | |
|  | | **Other** (Indicate the origin of the injection water/ water to be used for fracturing) |  |  | |  | | | | | |  | | | | |  | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | Registered Flowback Waste Discharge Information | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | |  | | | | | | | |  | | |
|  | Average flowback volume  (cubic metres) | | | | | | | |  | | --- | |  | | | | | Time Interval: | | | Per Month | | | Per Annum | |
|  | Maximum flowback volume anticipated (cubic metres) | | | | | | | |  | | --- | |  | | | | | Time Interval: | | | Per Month | | | Per Annum | |
|  | **Quality Variable And Unit Of Measurement (Mark at least one quality variable if flowback details are applicable to the application)** | | | | **Average Concentration** | | | | **For Office Use Only** | | | | | | | | | |
|  | |  | | |  | | | | | **Load (kg)** | | | | **NPS Load (kg)** | | | | | | |
|  | | Coliforms (Colony Forming Units/ml) | | |  | | | | |  | | | |  | | | | | | |
|  | | Enteric pathogens e.g. E.coli (Colony Forming Units/ml) | | |  | | | | |  | | | |  | | | | | | |
|  | | pH (pH units) | | |  | | | | |  | | | |  | | | | | | |
|  | | Electrical conductivity (microsiemens per cm) | | |  | | | | |  | | | |  | | | | | | |
|  | | Temperature (oC) | | |  | | | | |  | | | |  | | | | | | |
|  | | Acidity (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Alkalinity (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Aluminium (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Ammonia (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Arsenic (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Barium (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Boron (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Beryllium (mg/l) found in coal slag | | |  | | | | |  | | | |  | | | | | | |
|  | | Benzene (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Bicarbonate (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Bromide (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Cadmium (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Calcium (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Carbonate (mg/l) a salt of carbonic acid | | |  | | | | |  | | | |  | | | | | | |
|  | | Chemical oxygen demand (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Chloride (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Chromium (mg/l) | | |  | | | | |  | | | |  | | | | | | |
|  | | Chromium(vi) (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Cobalt (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Copper (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Cyanide (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Ethyl benzene (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Fluoride (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Iron (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Lead (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Lithium (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Magnesium (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Manganese (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Mercury (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Methane (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Molybdenum (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Nickel (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Phenol (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Polycyclic aromatic hydrocarbons (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Potassium (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Reactive phosphorus (mg/l) found in fertilizers, promotes microbial growth in surface waters. Maybe related to total phosphorus (checking). | | | |  | | | |  | | | |  | | | | | | |
|  | | Radionuclides (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Soap, oil or grease (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Sodium (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Silica (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Selenium (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Strontium (mg/l) found in mining ores | | | |  | | | |  | | | |  | | | | | | |
|  | | Sulphate (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Tin (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Toluene (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Total dissolved solids (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Total suspended solids (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Total petroleum hydrocarbons (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Total nitrogen (mg/l) (might account for nitrate and nitrite, checking) | | | |  | | | |  | | | |  | | | | | | |
|  | | Total phosphorus (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Uranium (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Vanadium (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Xylene (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Zinc (mg/l) | | | |  | | | |  | | | |  | | | | | | |
|  | | Other (mg/l) | | | |  | | | |  | | | |  | | | | | | |
| 7. | | | | Registered Produced Waste Discharge Information | | | | | | | | | | | | | | | | |
|  | | | |  | | | | |  | | | | | | | |  | | | |
|  | | | | Average produced waste volume  (cubic metres) | | | | | |  | | --- | |  | | | | | Time Interval: | | | Per Month | | | Per Annum | |
|  | | | | Maximum produced waste volume anticipated (cubic metres) | | | | | |  | | --- | |  | | | | | Time Interval: | | | Per Month | | | Per Annum | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Quality Variable And Unit Of Measurement (Mark at least one quality variable)** | **Average Concentration** | **For Office Use Only** | |
|  |  | |  | **Load (kg)** | **NPS Load (kg)** |
|  | Coliforms (Colony Forming Units/ml) | |  |  |  |
|  | Enteric pathogens e.g. E.coli (Colony Forming Units/ml) | |  |  |  |
|  | pH (pH units) | |  |  |  |
|  | Electrical conductivity (microsiemens per cm) | |  |  |  |
|  | Temperature (oC) | |  |  |  |
|  | Acidity (mg/l) | |  |  |  |
|  | Alkalinity (mg/l) | |  |  |  |
|  | Aluminium (mg/l) | |  |  |  |
|  | Ammonia (mg/l) | |  |  |  |
|  | Arsenic (mg/l) | |  |  |  |
|  | Barium (mg/l) | |  |  |  |
|  | Boron (mg/l) | |  |  |  |
|  | Beryllium (mg/l) found in coal slag | |  |  |  |
|  | Benzene (mg/l) | |  |  |  |
|  | Bicarbonate (mg/l) | |  |  |  |
|  | Bromide (mg/l) | |  |  |  |
|  | Cadmium (mg/l) | |  |  |  |
|  | Calcium (mg/l) | |  |  |  |
|  | Carbonate (mg/l) a salt of carbonic acid | |  |  |  |
|  | Chemical oxygen demand (mg/l) | |  |  |  |
|  | Chloride (mg/l) | |  |  |  |
|  | Chromium (mg/l) | |  |  |  |
|  | Chromium(vi) (mg/l) | |  |  |  |
|  | Cobalt (mg/l) | |  |  |  |
|  | Copper (mg/l) | |  |  |  |
|  | Cyanide (mg/l) | |  |  |  |
|  | Ethyl benzene (mg/l) | |  |  |  |
|  | Fluoride (mg/l) | |  |  |  |
|  | Iron (mg/l) | |  |  |  |
|  | Lead (mg/l) | |  |  |  |
|  | Lithium (mg/l) | |  |  |  |
|  | Magnesium (mg/l) | |  |  |  |
|  | Manganese (mg/l) | |  |  |  |
|  | Mercury (mg/l) | |  |  |  |
|  | Methane (mg/l) | |  |  |  |
|  | Molybdenum (mg/l) | |  |  |  |
|  | Nickel (mg/l) | |  |  |  |
|  | Phenol (mg/l) | |  |  |  |
|  | Polycyclic aromatic hydrocarbons (mg/l) | |  |  |  |
|  | Potassium (mg/l) | |  |  |  |
|  | Reactive phosphorus (mg/l) found in fertilizers, promotes microbial growth in surface waters. Maybe related to total phosphorus (checking). | |  |  |  |
|  | Radionuclides (mg/l) | |  |  |  |
|  | Soap, oil or grease (mg/l) | |  |  |  |
|  | Sodium (mg/l) | |  |  |  |
|  | Silica (mg/l) | |  |  |  |
|  | Selenium (mg/l) | |  |  |  |
|  | Strontium (mg/l) found in mining ores | |  |  |  |
|  | Sulphate (mg/l) | |  |  |  |
|  | Tin (mg/l) | |  |  |  |
|  | Toluene (mg/l) | |  |  |  |
|  | Total dissolved solids (mg/l) | |  |  |  |
|  | Total suspended solids (mg/l) | |  |  |  |
|  | Total petroleum hydrocarbons (mg/l) | |  |  |  |
|  | Total nitrogen (mg/l) (might account for nitrate and nitrite, checking) | |  |  |  |
|  | Total phosphorus (mg/l) | |  |  |  |
|  | Uranium (mg/l) | |  |  |  |
|  | Vanadium (mg/l) | |  |  |  |
|  | Xylene (mg/l) | |  |  |  |
|  | Zinc (mg/l) | |  |  |  |
|  | Other (mg/l) | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8. | Description of management measures for flowback and/or produced wastewater | | | | | | | | | | | |  |  | |
|  | Capacity for wastewater storage (cubic metres) | | | | | | | | | | | | Yes | No | |
|  | Is a storm water management system in place? | | | | | | | | | | | | Yes | No | |
|  | Are the wastewater management facilities suitably engineered to cater for all waste streams? | | | | | | | | | | | | Yes | No | |
|  | Are the wells properly sited to minimise contamination of groundwater? | | | | | | | | | | | | Yes | No | |
|  |  | | | | | | | | | | | |  |  | |
| **9** | 1. **Receiving Environment/Receptor**   Serves to address the following: The resource that needs to be protected and related issues such as: how close to surface water, groundwater level, presence of boreholes, whether communities use boreholes or abstract from the surface water, etc. | | | | | | | | | | | |  |  | |
| 9.1 | Description of nearby water resource(s) | | | | | | | | | | | | | | |
| 9.1.1 | Description of surface water resource (Mark only one box with an X) | | a) Type of surface water resource nearest to the activity: | | | | | | | | | | | | |
|  |  | |  | River / Stream | |  | | | Dam | | | | | | |
|  |  | |  | Estuary | |  | | | Lake | | | | | | |
|  |  | |  | Wetland | |  | | | Government Water Scheme | | | | | | |
|  |  | |  | Marine | |  | | | Other(please specify below) | | | | | | |
|  |  | |  |  | |  | |  | | | | | | | |
|  |  | | b) Name / description of the nearest surface water resource:\* | | | | | | | | | | | | |
|  |  | |  | | | | | | | | | | | | |
|  |  | | c) Distance to nearest surface water resource (metres):\* | | | | | | | | | | | | |
|  |  | |  | | | | | | | | |  | | | |
| 9.1.2 | Description of groundwater resource (Mark only **one** box with an X) | | a) Type of groundwater resource nearest to the activity: | | | | | | | | | | | | |
|  |  | |  | Spring / Eye | |  | | | Government Water Scheme | | | | | | |
|  |  | |  | Borehole | |  | | | Boreholes And Windmills On Government Land | | | | | | |
|  |  | |  | Other (please specify below) | |  | | |  | | | | | | |
|  |  | |  |  | | | | | | | | | | | |
|  |  | | b) Name / description of the nearest groundwater resource: \* | | | | | | | | | | | | |
|  |  | |  |  | | | | | | | | | | | |
|  |  | | c) Distance to the nearest groundwater resource (metres): \* | | | | | | | | | |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  | | | | |
|  |  |  | | |  | |  | | |  |  | | | |
| 10 | **Location of area under unconventional gas production activity** | | | | | | | | | | | | | |
| 10.1 | Geographical location for each of the external corner points of the area. (A minimum of 4 locations needed to be populated / provided) | | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Latitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | S |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | S |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
| Longitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | E |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | E |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
|  | Datum type | Cape (Modified Clarke 1880) | WGS-84 |
|  |  |  |  |
| Latitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | S |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | S |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
| Longitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | E |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | E |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
|  | Datum type | Cape (Modified Clarke 1880) | WGS-84 |
| Latitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | S |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | S |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
| Longitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | E |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | E |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
|  | Datum type | Cape (Modified Clarke 1880) | WGS-84 |
| Latitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | S |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | S |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
| Longitude\* | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | E |  |  | ˚ |  |  | ’ |  |  | . |  | ” | or | E |  |  | . |  |  |  |  |  | ˚ |  | | | |
|  |  | | |
|  | Datum type | Cape (Modified Clarke 1880) | WGS-84 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10.2 | Drainage Region Details: | Quaternary Drainage Region (if more than one quaternary drainage region is applicable, please populate other fields)\* | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | |  |  |  |  | |  |  |  |  | |  |  |  |  | |

###### 11. Property Relationship Details (Complete supplementary forms DW901 & DW902)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Property Name** | **Surveyed Property** | | **Unsurveyed Property** | | **Property Relationship Date** | |
|  |  | |  | | **From:** | **To:** |
|  | Title Deed Number |  | Surname of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Surveyor-General Cadastral Code |  | Initial of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Property Number |  | Local Authority (if applicable) |  |  |  |
|  | Portion of property |  | Magisterial District (if applicable) |  |  |  |
|  |  |  | Tribal Authority/Council (if applicable) |  |  |  |
|  | Title Deed Number |  | Surname of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Surveyor-General Cadastral Code |  | Initial of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Property Number |  | Local Authority (if applicable) |  |  |  |
|  | Portion of property |  | Magisterial District (if applicable) |  |  |  |
|  |  |  | Tribal Authority/Council (if applicable) |  |  |  |
|  | Title Deed Number |  | Surname of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Surveyor-General Cadastral Code |  | Initial of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Property Number |  | Local Authority (if applicable) |  |  |  |
|  | Portion of property |  | Magisterial District (if applicable) |  |  |  |
|  |  |  | Tribal Authority/Council (if applicable) |  |  |  |
|  | Title Deed Number |  | Surname of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Surveyor-General Cadastral Code |  | Initial of the Leader of Village, Community or Tribal Authority |  |  |  |
|  | Property Number |  | Local Authority (if applicable) |  |  |  |
|  | Portion of property |  | Magisterial District (if applicable) |  |  |  |
|  |  |  | Tribal Authority/Council (if applicable) |  |  |  |

1. **LIST OF SUPPORTING TECHNICAL INFORMATION**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | |  | |  | |  |  |
| 12.1 | **Confirm that the following forms have been included in this application** | | | | | | | | |
|  | DW901 | | Yes | | No | | | | |
|  | DW902 | | Yes | | No | | | | |
|  | DW905 | | Yes | | No | | | | |
| 12.2 | **Mark with an X if these documents have been submitted with this application** | | | | | | | | |
|  | Environmental Impact Assessment (EIA) | | | | | |  | | |
|  | Environmental Management Programme (EMPR) | | | | | |  | | |
|  | Standard Environmental Management Programme | | | | | |  | | |
|  | Integrated Water and Waste Management Plan (IWWMP) | | | | | |  | | |
|  | Integrated Water Use License Application Report | | | | | |  | | |
|  | Report on Waste Water Quality (solute load, seasonal changes, etc.) | | | | | |  | | |
|  | Report on Industrial Process Generating Waste water | | | | | |  | | |
|  | Geohydrological Report (including models) | | | | | |  | | |
|  | Geotechnical Engineering Report (including models) | | | | | |  | | |
|  | Rock Mechanics Report (including models) | | | | | |  | | |
|  | Civil Engineering Designs | | | | | |  | | |
|  | Fracture Management Plans | | | | | |  | | |
|  | Minimum Requirements Checklist | | | | | |  | | |
|  | Contingency Plan for Failures and Malfunctions of System | | | | | |  | | |
|  | Monitoring Programme(s) | | | | | |  | | |
|  | Topographical Map (1:50 000) | | | | | |  | | |
|  | National Water Act (Act No 36 of 1998) – Section 27 Evaluation | | | | | |  | | |
|  | DW760 NWA-Section 21(a) | | | | | |  | | |
|  | DW761 NWA-Section 21(b) | | | | | |  | | |
|  | DW762 NWA-Section 21(b) | | | | | |  | | |
|  | DW763 NWA-Section 21(c) | | | | | |  | | |
|  | DW764 NWA-Section 21(d) | | | | | |  | | |
|  | DW765 NWA-Section 21(e) | | | | | |  | | |
|  | DW766 NWA-Section 21(f) | | | | | |  | | |
|  | DW767 NWA-Section 21(g) | | | | | |  | | |
|  | DW768 NWA-Section 21(i) | | | | | |  | | |
|  | DW780 NWA-Section 21(h) | | | | | |  | | |
|  | DW805 NWA-Section 21(j) | | | | | |  | | |
|  | DW903 | | | | | |  | | |
|  | DW904 | | | | | |  | | |
|  | Other *(specify other documents submitted with this form)* | | | | | |  | | |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | D | W |  |  |  |  | | | | | | |  | | |
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|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | D | W |  |  |  |  | | | | | | |  | | |
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**13. THIS SECTION IS RESERVED FOR OFFICE USE ONLY**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | |  | |  | | |  | |  |  | | | | | |
| 13.1 | **Management Classification Details** | | | | | | | | | | | | | | | |
|  | **Waste Generating Sector** | **Constituent**  **(Quality Variable)** | | | | **Management Classification**  (Mark applicable option(s) with an X) | | | | | | | | | | |
|  |  |  | | | | **Best practice leading to zero impact** | | | | | | **Standard/minimum requirements** | | | **Poor practice** | |
|  | **Industry** | Salinity, pH, SO4, CI, Na, heavy metals | | | | **0%** | | | | | | **10%** | | | **70-100%** | |
|  |  |  | | | |  | | | | | |  | | | |  |  |  | | --- | --- | --- | |  |  |  | | **%** |
| 13.2 | Succession transfer and source part 2 details | | | | | | | |  | | | | |  | | |
| 13.2.1 | Is this a ‘succession in title’ related water use transfer? | | | | | | | | Yes | | | | | No | | |
| 13.2.2 | If yes, complete the following details where applicable. | | | | | | | | | | | | | | | |
|  | Source Register Number | | | WU Number | | | WU Status to be Allocated | | | | | | WU Close Date (if applicable)  (ccyymmdd) | | | |
|  | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |  | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | |
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* 1. **District Municipality**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | |  |  |  |
|  | District Municipality Name(if applicable) | | |  | | | |

* 1. **Billing information**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  | | | | |  | | | |  |  |  | | | |
| 13.4.1 | | Applicant to be billed as: | | | | | | | | | | | | | | | |
|  | |  | | | |  | | | | **Start Date**(ccyymmdd) | | | | | | **End Date**(ccyymmdd) | |
|  | | Water User | | or | | Via a WUA/WSP | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | |
| 13.4.2 | If to be billed via WUA/WSP: | | | | | | | | | | | | | | | |
|  | | Name of WUA/WSP | | | |  | | | | | | | | | | | |
|  | |  | |  | | | | | | | | | | | | | |
|  | | Is WUA/WSP a Billing Agent? | | | | Yes | | | No | | | | | | | | |
|  | |  | |  | | | | |  | | | | | | | | |
|  | | Billing Agent’s Register Number | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | | | | | | | |
|  | |
|  | |  | | | | |  | | | | | | | | | | |
| 13.4.3 | | Billing Frequency: | | Annually | | | | | | | Bi-annually | | | | Monthly | | |
| 13.4.4 | | Bill incentive charge: | | | | | | | | | | | | | | | |
|  | |  | | | |  | | | | **Start Date** (ccyymmdd) | | | | | | **End Date** (ccyymmdd) | |
|  | | On actual load(s) | | or | | Registered load(s) | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | |

* 1. **Waste management scheme information**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | |  |  |  |
|  | Waste scheme name (if applicable) | | |  | | | |
|  | If the Waste Scheme is applicable, provide WSMP (Waste Scheme Management Parameter Name) | | |  | | | |
|  |  | | |  | | | |
|  |  | | |  | | | |
|  | * Specify the date from which this WSMP is applicable to this water use (ccyymmdd) | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | |

* 1. **Authorisation details**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | |  |  |  |
| 13.6.1 | If this application represents a licence related water use (new licence application or previously submitted application) – complete following details if known/available. | | | | | | |
|  | Responsible Licensing Authority Reference | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | |
|  | Responsible Licensing Authority Business Unit | | |  | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Water Quality Management Assessment: | | | | | | | | | | | | | |
| Surname | | | | | | | | | | Initials | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |
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| Position / Rank | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | |  | |
|  |  | | | | | | | | | | |  | |
| Signature | | | | | | | Date (ccyymmdd) | | | |  | | | |
|  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | | |
|  | | | | | | |  | | | | | | | |
| File number *(i.e. Office Hardcopy Register File No)* | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | |
|  | |  | | | | | | | | | | | |
| Water Use Register Number | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | | | |
| Received by: | | | | | | | | | | | |  | |
| Surname | | | | | | | | | |  | |  | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | |  | |  | |
|  | | | | | | | | | |  | |  | |
| Initials | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | | | | | | | | | |  | |
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| Position / Rank | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | |  | |
| Signature | | | | | | | Date (ccyymmdd) | | | | |  | |
|  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | |  | | | | |
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| Captured on NRWU database | | | | | | |  | |  | | | | |
| Captured by: | | | | | | | | |  | | | | |
| Surname | | | | | | | |  |  | | | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | |  |  | | | | |
|  | | | | | | | |  |  | | | | |
| Initials | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | | | | | | |  | | | | |
| Signature | | | | | | | | |  | | | | |
|  | | | | | | |  | |  | | | | |
|  | | | | | | | | | Date stamp of receiving office | | | | |
| Quality Assurance Executed by: | | | | | | | | | | | | | |
| Surname | | | | | | | | | | Initials | | |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | | | | |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | | |
|  | | | | | | | | | |  | | |
| Position / Rank | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | | | | | |  | |
|  |  | | | | | | | | | | |  | |
| Signature | | | | | | | Date (ccyymmdd) | | | |  | | | |
|  | | | | | | | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  |  |  | | | | | | | | |