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## Part 2: WASTE DISCHARGE RELATED WATER USE IN TERMS OF SECTION 21(h) OF THE NATIONAL WATER ACT, (ACT NO. 36 OF 1998)

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.

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### 1. 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  Registration (only)

1.2 Have you already registered a water use with the Department of Water Affairs and Forestry?

Yes  No

Registration number:

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Water use number:

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1.3 Indicate if Section 21(j) is applicable to this water use application:

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.

Yes  No

*Note: If Yes was selected, ensure that a DW805 application form has been submitted.*

1.4 Do you have a licence, permit or exemption for this waste discharge?

Yes  No

(Issued in terms of the National Water Act (Act No. 36 of 1998), Water Act (Act No. 54 of 1956) or the Environmental Conservation Act (Act No. 73 of 1989))

Licence number:

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RLA Reference

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NRWU Licence Number

										/			
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RLA Business Unit

										/			
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OR

Permit number:

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OR

Exemption reference number:

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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:

**1.7.2** Business Enterprise Registration Number

**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 property owner is a Provincial Department:**

**1.9.1** Province:

**1.9.2** Provincial Department Name:

**1.10 If the property owner is a Water Services Provider:**

**1.10.1** Name of WSP:

**1.11 If the property owner is a Water User Association:**

**1.11.1** Name of WUA:

**1.12 BBBEE Status**

Mark the applicable option(s) with an X)

- Historically Disadvantaged Individual (HDI)
- Historically Advantaged Individual (HAI)
- Black Economic Empowerment (BEE) Compliant

## Declaration by applicant or waste discharger

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.



\_\_\_\_\_  
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.**

**2. DESCRIPTION OF THE WASTE GENERATED**

**2.1 Select the sector that generates the wastewater or waste which this application refers to**

(Mark only one box with an X)

(Note, if more than one option is applicable, you must fill in a separate application form per sub-sector)

- Agriculture**
  - Aquaculture
  - Irrigation
  - Intensive Animal Husbandry
  - Other (please specify below)

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- Urban / Domestic**
  - Sewage Treatment Works
  - Water Treatment Works

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- Industry**
  - Agroprocessing
  - Fertilisers
  - Metal Processing And Finishing
  - Textile
  - Power Generation
  - Petrochemical
  - Meat Processing
  - Manufacturing
  - Paper And Pulp
  - Winery
  - Other (please specify below)

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- Mining**
  - Coal
  - Gold
  - Platinum
  - Copper
  - Chromium
  - Iron
  - Diamond
  - Sand-winning
  - Quarrying
  - Peat Mining
  - Uranium
  - Other (please specify below)

**2.2 Which of the following describes the nature of the wastewater?**

(Mark 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 >50°C
- 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 composition of the wastewater?**

(Mark the applicable option(s) with an X)

- 2.3.1 Wastewater consisting of > 90% organic content by mass (i.e. load)
- 2.3.2 Wastewater consisting of 50 – 90% organic content and 10 – 50% metals or salts by mass (i.e. load)
- 2.3.3 Wastewater consisting of 10 – 50% organic content and 50 – 90% metals or salts by mass (i.e. load)
- 2.3.4 Wastewater consisting of >90% metals or salts by mass (i.e. load)

**2.4 Describe the activity that generates the waste**

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**2.5 Discharge to a Water Resource**

**2.5.1 Water use start & end date**

When did/will this water use start? (ccyymmdd)

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When did/will this water use end? (If applicable)  
(ccyymmdd)

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**2.5.2 The total volume of waste / wastewater discharged per year:**

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Cubic meters

**2.5.3 The maximum volume of waste / wastewater discharged on any given day:**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Cubic meters

**2.5.4 Monthly discharge pattern expressed in:**

Cubic meters

OR

Percentage (%) of total

OR

Another unit of measure

If "Another unit of measure" was selected, specify the "unit of measure" to be applied to the monthly discharge pattern details:

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	Minimum	Average	Maximum																		
January	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						
February	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>						
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## 2.5.5 Intake Water

Water supplied by Water Services Provider (WSP) or Water User Association (WUA)	
Name of WSP/WUA Supplier	Volume of water applicable to this waste discharge (m <sup>3</sup> )

National Water Act - Section 21(a/b/g/j) Water Use					
Section 21(?)	Registered*		Volume of water applicable to this waste discharge (m <sup>3</sup> )	If Registered*	
				Register number	Water Use Number
	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No			

## 2.5.6 Registered Waste Discharge Information

Average intake volume (cubic meters)	<input type="text"/>	Time Interval: <input type="checkbox"/> Per Month	<input type="checkbox"/> Per Annum
Average output/discharge volume (cubic meters)	<input type="text"/>		
Maximum intake volume anticipated (cubic meters)	<input type="text"/>	Time Interval: <input type="checkbox"/> Per Month	<input type="checkbox"/> Per Annum
Maximum output volume anticipated (cubic meters)	<input type="text"/>	Time Interval: <input type="checkbox"/> Per Month	<input type="checkbox"/> Per Annum

Quality Variable and unit of measurement	Average Intake Concentration	Maximum Anticipated Intake Concentration	Average Discharge Concentration	Maximum Anticipated Discharge Concentration
Coliforms (Colony Forming Units/ml)				
Enteric pathogens e.g. E.coli (Colony Forming Units/ml)				
pH (pH units)				
Temperature (°C)				
Acidity (mg/l)				
Alkalinity (mg/l)				
Aluminium (mg/l)				
Ammonia (mg/l)				
Arsenic (mg/l)				
Barium (mg/l)				
Boron (mg/l)				
Bromide (mg/l)				
Cadmium (mg/l)				

Continued on next page

Quality Variable and unit of measurement	Average Intake Concentration	Maximum Anticipated Intake Concentration	Average Discharge Concentration	Maximum Anticipated Discharge Concentration
Calcium (mg/l)				
Chemical oxygen demand (mg/l)				
Chloride (mg/l)				
Chromium (mg/l)				
Chromium(vi) (mg/l)				
Cobalt (mg/l)				
Copper (mg/l)				
Cyanide (mg/l)				
Fluoride (mg/l)				
Iron (mg/l)				
Lead (mg/l)				
Lithium (mg/l)				
Magnesium (mg/l)				
Manganese (mg/l)				
Mercury (mg/l)				
Molybdenum (mg/l)				
Nickel (mg/l)				
Phenol (mg/l)				
Potassium (mg/l)				
Radionuclides (mg/l)				
Soap, oil or grease (mg/l)				
Sodium (mg/l)				
Sulphate (mg/l)				
Tin (mg/l)				
Total dissolved solids (mg/l)				
Total suspended solids (mg/l)				
Total nitrogen (mg/l)				
Total phosphorus (mg/l)				
Uranium (mg/l)				
Vanadium (mg/l)				
Zinc (mg/l)				

**3. 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.

**3.1 Description of nearby water resource(s)**

**3.1.1 Description of Surface Water Resources**

(Mark only one box with an X)

a) Type of surface water resource, nearest to location where discharge is taking place

- |   |   |
|---|---|
| <input type="checkbox"/> River / Stream | <input type="checkbox"/> Dam                          |
| <input type="checkbox"/> Estuary        | <input type="checkbox"/> Lake                         |
| <input type="checkbox"/> Wetland        | <input type="checkbox"/> GWS Scheme                   |
| <input type="checkbox"/> Marine         | <input type="checkbox"/> Other (please specify below) |

b) Name / description of the nearest surface water resource:

c) Distance to the nearest water resource (meters)

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**3.1.2 Description of Groundwater Resources**

(Mark only one box with an X)

a) Type of groundwater resource, nearest to location where discharge is taking place

- |   |   |
|---|---|
| <input type="checkbox"/> Spring / Eye                 | <input type="checkbox"/> GWS Scheme                                 |
| <input type="checkbox"/> Borehole                     | <input type="checkbox"/> Boreholes And Windmills On Government Land |
| <input type="checkbox"/> Other (please specify below) |   |

b) Name / description of the nearest groundwater resource

c) Distance to the nearest groundwater resource (meters)

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**3.2 Water resource (receiving the wastewater discharge) information****3.2.1 Name of the water resource receiving the wastewater discharge is:**


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**3.2.2 Type of water resource receiving the waste or wastewater discharge:**

(Mark only one box with an X)

- |  |  |
|--|--|
| <input type="checkbox"/> River or stream         | <input type="checkbox"/> Dam             |
| <input type="checkbox"/> Wetland                 | <input type="checkbox"/> Marine          |
| <input type="checkbox"/> Government Water Scheme | <input type="checkbox"/> Estuary         |
| <input type="checkbox"/> Lake                    | <input type="checkbox"/> Other (specify) |

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**3.2.3 Geographic location of the discharge point (use only one format):**
 Latitude    °   '   " or        ° or        °

 Longitude    °   '   " or        ° or        °

 Datum Type:  Cape (Modified Clarke 1880)  WGS-84
**3.2.4 Reliability of water resource receiving the waste or wastewater discharge:**

(Mark only one box with an X)

- |   |   |
|---|---|
| <input type="checkbox"/> Water always present | <input type="checkbox"/> Dry during certain seasons |
| <input type="checkbox"/> Frequently dry       |   |

**3.2.5 Drainage Region Details:**

Quaternary Drainage Region

**3.2.6 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)			



**5. THIS SECTION IS RESERVED FOR OFFICE USE ONLY**

**5.1 Succession transfer and source part 2 details**

**5.1.1 Is this a 'succession in title' related water use transfer?**  Yes  No

**5.1.2 If yes, complete the following details where applicable.**

Source Register Number	WU Number	WU Status to be Allocated	WU Close Date (if applicable) (ccyymmdd)
<input type="text"/>	<input type="text"/>	_____	<input type="text"/>
<input type="text"/>	<input type="text"/>	_____	<input type="text"/>
<input type="text"/>	<input type="text"/>	_____	<input type="text"/>

**5.2 District Municipality**

District Municipality Name (if applicable) \_\_\_\_\_

**5.3 Billing information**

**5.3.1 Applicant to be billed as:**

Water User or  Via a WUA/WSP

Start Date (ccyymmdd)  End Date (ccyymmdd)

**5.3.2 Bill incentive charge:**

On actual load(s) or  Registered load(s)

Start Date (ccyymmdd)  End Date (ccyymmdd)

**5.3.3 Billing Frequency:**  Annually  Bi-annually  Monthly

**5.3.4 If to be billed via WUA/WSP:**

Name of WUA/WSP \_\_\_\_\_

Is WUA/WSP a Billing Agent?  Yes  No

Billing Agent's Register Number

**5.3.5 If this WU is to be billed via a Bulk Billing Party that is not a WSP/WUA, complete the following:**

Name of Customer \_\_\_\_\_

Bulk-Bill-to-Party Register Number

**5.4 Waste management scheme information**

**Wastewater scheme name** (if applicable)

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

**5.5 Late registration penalty**

Is this a late registration?  Yes  No

If yes, mark with an X, the applicable penalty to be levied

R300.00 OR

10% (ten percent) of the annual water use charge outstanding at the date of registration which ever is greater

Specify the penalty amount payable \_\_\_\_\_

Waive penalty

**5.6 Authorisation details**

**5.6.1 Water use takes/took place in terms of the General Authorisation:**  Yes  No

\*If yes complete the following details after confirmation with relevant DWAF/CMA officials:

<u>Date(s) from which applicable GA is/was applicable to this water use</u>			
South African Act:	_____	Applicable section of the act	_____
	[E.g. National Water Act (Act No. 36 of 1998)]		[E.g. Section 21]
Date From (ccyymmdd)	<input type="text"/>	Government Notice No.	<input type="text"/>
Date To (ccyymmdd)	<input type="text"/>	Government Notice Date (ccyymmdd)	<input type="text"/>
Applicable Section Of The General Authorisation		_____	
Date From (ccyymmdd)	<input type="text"/>	Government Notice No.	<input type="text"/>
Date To (ccyymmdd)	<input type="text"/>	Government Notice Date (ccyymmdd)	<input type="text"/>
Applicable Section Of The General Authorisation		_____	
Date From (ccyymmdd)	<input type="text"/>	Government Notice No.	<input type="text"/>
Date To (ccyymmdd)	<input type="text"/>	Government Notice Date (ccyymmdd)	<input type="text"/>
Applicable Section Of The General Authorisation		_____	

**5.6.2 If an authorisation has been issued under other legislation – provide the Law/Regulation details if known/available.**

**5.6.3 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 \_\_\_\_\_

Water Quality Management Assessment:

Surname

Initials

Position / Rank

Signature

Date (ccyymmdd)

File number (i.e. Office Hardcopy Register File No)

Water Use Register Number

Received by:

Surname

Initials

Position / Rank

Signature

Date (ccyymmdd)

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)