

## Part 2: WASTE DISCHARGE RELATED WATER USE IN TERMS OF SECTION 21(f)

### OF THE NATIONAL WATER ACT, (ACT NO. 36 OF 1998)

Section 21(f): discharging waste or water containing waste into a water resource through a pipe, canal, sewer, sea outfall or other conduit.

#### 1. GENERAL INFORMATION

1.1	Indicate the nature of this application:	Licence Registration (only)
.2	Have you already registered a water use with the	Yes No
	Department of Water Affairs and Forestry?	Registration number:
		Water use number:
.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
		<u>Note:</u> If Yes was selected, ensure that a DW805 application form 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)	Licence number:
	or the Environmental Conservation Act (Act No. 73 of 1989))	RLA Reference
		NRWU Licence Number
		Exemption reference number:
		RLA Business Unit
	(NRWU = National Register of Water Use; RLA = Re	

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 1.6.1	If the applicant is an individual         Title       Surname
1.6.2	South African ID (if holder of South African Id) alternatively Passport Number:   ID Number or   Passport Number   Passport Expiry   Date (cyymmdd)   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	
1.8.1	If the applicant is a National Department: National Department Name:
1.9	If the applicant is 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:
1.11	If the applicant 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 *l/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.



Contact number during office hours

Designation of signatory

Signature

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	Agriculture       Aquaculture       Irrigation	<ul><li>Intensive Animal Husbandry (feedlots)</li><li>Other (please specify below)</li></ul>					
	(Mark only one box with an X)	Urban / Domestic Sewage Treatment Works	Water Treatment Works					
	(Note, if more than one option is applicable, you must fill in a separate application form per sub-sector)	IndustryAgroprocessingFertilisersMetal Processing And FinishingTextilePower GenerationPetrochemical	<ul> <li>Meat Processing</li> <li>Manufacturing</li> <li>Paper And Pulp</li> <li>Winery</li> <li>Other (please specify below)</li> </ul>					
		MiningCoalGoldPlatinumCopperChromiumIron	<ul> <li>Diamond</li> <li>Sand-winning</li> <li>Quarrying</li> <li>Peat Mining</li> <li>Uranium</li> <li>Other (please specify below)</li> </ul>					
2.2	Which of the following describes the <u>nature</u>	2.2.1 Wastewater containing <70% water I						
	of the wastewater?	2.2.2 Wastewater containing >70% water by mass						
	(Mark the applicable options	2.2.3 Wastewater with high acidity (i.e. pH						
	with an X)	2.2.4 Wastewater with temperature of >50						
		2.2.5 Wastewater with an oxygen content						
		2.2.6 Wastewater with an EC (Electrical C 2.2.7 Wastewater with an EC of <500mS/r						
2.3	Which of the following	2.3.1 Wastewater consisting of > 90% org	anic content by mass (i.e. load)					
2.0	describes the <u>composition</u> of the		organic content and 10 – 50% metals or salts					
	wastewater? (Mark the applicable options	2.3.3 Wastewater consisting of 10 – 50% of by mass (i.e. load)	organic content and 50 – 90% metals or salts					
	with an X)	2.3.4 Wastewater consisting of >90% meta	als or salts by mass (i.e. load)					
2.4	Describe the activity that generates the waste							

2.5	Discharge to a Water Resource	1	
2.5.1	Water use start & end date		
	When did/will this waste discharge start?	? (ccyymmdd)	
	When did/will this waste discharge end? (ccyymmdd)	(If applicable)	
2.5.2	The total volume of waste / w year:	astewater discharge	ed per Cubic meters
2.5.3	The maximum volume of was on any given day:	te / wastewater disc	harged Cubic meters
2.5.4	Monthly discharge pattern ex	pressed in:	
	Cubic meters		
	Percentage (%) of total		OR OR
	Another unit of measure		
	If "Another unit of measure" was be applied to the monthly discha		t of measure" to
		Minimum	Average Maximum
	January		
	February		
	March		
	April		
	Мау		
	June		
	July		
	August		
	September		
	October		
	November		
	December		

#### 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 (m³)

National Water Act - Section 21(a/b/g/j) Water Use							
Section 21(?)	Registered*	Volume of water applicable to this waste discharge (m³)	If Registered*				
			Register number	Water Use Number			
	Yes No						
	Yes No						
	Yes No						
	Yes No						

#### 2.5.6 Registered Waste Discharge Information

Average intake volume (cubic meters) Average output/discharge volume (cubic meters)	Time Interval:	Per Month	Per Annum
Maximum intake volume anticipated (cubic meters)	Time Interval:	Per Month	Per Annum
Maximum output volume anticipated (cubic meters)	Time Interval:	Per Month	Per Annum

Quality Variable and unit of measurement	Average 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)				

#### 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) a) Type of surface water resource, nearest to location where discharge is taking place 3.1.1 **Description of Surface** Water Resources River / Stream Dam □ Lake (Mark only one box with an X) Estuary GWS Scheme Wetland Marine Other (please specify below) b) Name / description of the nearest surface water resource: c) Distance to the nearest water resource (meters) a) Type of groundwater resource, nearest to location where discharge is taking place 3.1.2 **Description of** Groundwater $\square$ Spring / Eye GWS Scheme Resources Borehole Boreholes And Windmills On Government Land (Mark only one box with an X) $\square$ Other (please specify below) b) Name / description of the nearest groundwater resource c) Distance to the nearest groundwater resource (meters)

3.

**RECEIVING ENVIRONMENT/RECEPTOR** 

			DW766						
	Water resource (receiving the wastewater discharge) information								
3.2.1	Name of the water resource receiving the wastewater discharge is:								
3.2.2	Type of water resource receiving the waste or wastewater discharge: (Mark only one box with an X)	<ul> <li>River or stream</li> <li>Wetland</li> <li>Government Water Scheme</li> <li>Lake</li> </ul>	<ul> <li>Dam</li> <li>Marine</li> <li>Estuary</li> <li>Other (specify)</li> </ul>						
3.2.3	Geographic location of the	discharge point (use only one format):							
Latitude	S • ,	. " or S .	° or S ° .						
Longitude	E • ,	. " or <u>E</u> .	• or E • .						
	Datum Type:	Cape (Modified Clarke 1880)	84						
3.2.4	Reliability of water resource receiving the waste or wastewater discharge: (Mark only one box with an X)	<ul> <li>Water always present</li> <li>Frequently dry</li> </ul>	Dry during certain seasons						
3.2.5	Drainage Region Details:	Quaternary Drainage Region							

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

#### **3.2.6** Property Relationship Details (Complete supplementary forms DW901 & DW902)

DW766

#### LIST OF SUPPORTING TECHNICAL INFORMATION

4.

4.1	Con	firm	that	the	foll	owing forms ha	ave been ir	ncluded in	this appli	cation
	DW	901					🗌 Yes		🗌 No	
	DW	902					🗌 Yes		🗌 No	
	DW	905					🗌 Yes		🗌 No	
4.2	Mar	k wit	h ar	ı X if	the	se documents	have been	submitte	d with this	application
	Envi	ironm	nenta	al Im	pact	Assessment (E	IA)			
	Environmental Management Programme (EMPR)									
	Star	ndard	En	iron	men	tal Managemen	t Programm	ne		
	Integrated Water and Waste Management Plan (IWWMP)									
	Integ	grate	d Wa	ater	Use	Licence Applica	ition Report	t		
	Rep	ort oi	n Wa	aste	Wat	er Quality (solut	e load, sea	sonal chan	iges, etc.)	
	Rep	ort oi	n Inc	lustri	al P	rocess Generat	ing Waste v	vater		
	Geo	hydro	ologi	cal F	Repo	ort				
	Civil Designs									
	Con	tinge	ncy	Plan	for	ailures and Ma	Ifunctions of	of System		
	Mon	itorin	ıg Pr	ogra	mm	e(s)				
	Topographical Map (1:50 000)									
	Nati	onal	Wate	er Ao	t (A	ct No 36 of 1998	3) – Sectior	n 27 Evalua	ation	
	DW	760 N	JWA	-Sec	tion	21(a)				
	DW	761 M	JWA	-Sec	tion	21(b)				
	DW	762 🛚	JWA	-Sec	tion	21(b)				
	DW	763 N	JWA	-Sec	tion	21(c)				
	DW764 NWA-Section 21(d)									
	DW765 NWA-Section 21(e)									
	DW	766 N	JWA	-Sec	tion	21(f)				
	DW767 NWA-Section 21(g)									
	DW768 NWA-Section 21(i)									
	DW780 NWA-Section 21(h)									
	DW805 NWA-Section 21(j)									
	DW	903								
	DW	904								
	Othe	er (sp	pecif	y oth	er d	ocuments subm	itted with th	nis form)		
	D	W								
	D	W								
	D	W								

1	Succession transfer and sour	ce part 2 details		
1.1	Is this a 'succession in title' re	elated water use transfer?	Yes	🗌 No
1.2	If yes, complete the following	details where applicable.		
	Source Register Number W	U Number	WU Status to be Allocated	WU Close Date (if applicable) (ccyymmdd)
5.2	District Municipality			
	District Municipality Name (if applicabl	e)		
.3	Billing information			
.3.1	Applicant to be billed as:			
.3.1	Applicant to be billed as:	or 🗌 Via a WUA/WSP	Start Date (ccyymmdd)	End Date (ccyymmdd)
		or 🗌 Via a WUA/WSP		
	Uwater User	or 🗌 Via a WUA/WSP or 📄 Registered load(s)	Start Date (ccyymmdd)	End Date (ccyymmdd)
5.3.2 5.3.3	<ul> <li>Water User</li> <li>Bill incentive charge:</li> <li>On actual load(s)</li> <li>Billing Frequency:</li> </ul>			
5.3.1 5.3.2 5.3.3 5.3.4	<ul> <li>Water User</li> <li>Bill incentive charge:</li> <li>On actual load(s)</li> <li>Billing Frequency:</li> <li>If to be billed via WUA/WSP:</li> </ul>	or Registered load(s)	Start Date (ccyymmdd)	End Date (ccyymmdd)
5.3.2	<ul> <li>Water User</li> <li>Bill incentive charge:</li> <li>On actual load(s)</li> <li>Billing Frequency:</li> </ul>	or Registered load(s)	Start Date (ccyymmdd)	End Date (ccyymmdd)
5.3.2	<ul> <li>Water User</li> <li>Bill incentive charge:</li> <li>On actual load(s)</li> <li>Billing Frequency:</li> <li>If to be billed via WUA/WSP:</li> </ul>	or Registered load(s)	Start Date (ccyymmdd)	End Date (ccyymmdd)
5.3.2 5.3.3	<ul> <li>Water User</li> <li>Bill incentive charge:</li> <li>On actual load(s)</li> <li>Billing Frequency:</li> <li>If to be billed via WUA/WSP:</li> <li>Name of WUA/WSP</li> </ul>	or  Registered load(s) Annually	Start Date (ccyymmdd)	End Date (ccyymmdd)
5.3.2 5.3.3	<ul> <li>Water User</li> <li>Bill incentive charge:</li> <li>On actual load(s)</li> <li>Billing Frequency:</li> <li>If to be billed via WUA/WSP:</li> <li>Name of WUA/WSP</li> <li>Is WUA/WSP a Billing Agent?</li> <li>Billing Agent's Register Number</li> </ul>	or Registered load(s)	Start Date (ccyymmdd)	End Date (ccyymmdd)

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5.4	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)
5.5	Late registration penalty
	Is this a late registration?
	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

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D	M	17	6	6
υ			υ	υ

Water use ta	kes/took place in terms o	f the General Author	isation:		Yes		N	0						
*If yes complete the following details after confirmation with relevant DWAF/CMA officials:														
Date(s) fr	Date(s) from which applicable GA is/was applicable to this water use													
South African Ac	:t:		ct											
	[E.g. National	Applicable section of the act [E.g. National Water Act (Act No. 36 of 1998)]												
Date From (ccyymmdd)		G	overnment N	lotice No.										
Date To (ccyymmdd)			overnment N cyymmdd)	lotice Date										
Applicable Sect	ion Of The General Authorisation													
Date From (ccyymmdd)		G	overnment N	lotice No.										
Date To (ccyymmdd)		Government Notice Date (ccyymmdd)												
Applicable Sect	ion Of The General Authorisation													
Date From (ccyymmdd)		G	overnment N	lotice No.										
Date To (ccyymmdd)		Government Notice Date (ccyymmdd)												
Applicable Sect	ion Of The General Authorisation													
If an authoris	sation has been issued ur	nder other legislation	n – provid	e the Law	/Regula	ation de	tails if							
known/availa	able.													
	ation represents a licence – complete following deta			ce applica	ition or	previou	sly subr	nitt						
	ensing Authority Reference													
Responsible Lice	icensing Authority Business													
Unit														

#### Water Quality Management Assessment:

Surname	9		-																			I	nitia	als									
Position	/ Rank																																
Signature Date (ccyymmdd)																																	
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File num	iber <i>(i.e</i>	e. Offi	ice Ha	rdcop	oy R	egiste	er Fil	le No	<i>)</i> )																								
Water Us	se Reg	ister	Numb	er																													
Received	d by:				L																												
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Initials																																	
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Surname	<u> </u>																					I	nitia	als				_					
Position	/ Rank																																
Signature	е											D	ate (	ссу	/ymr	ndd	)																
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