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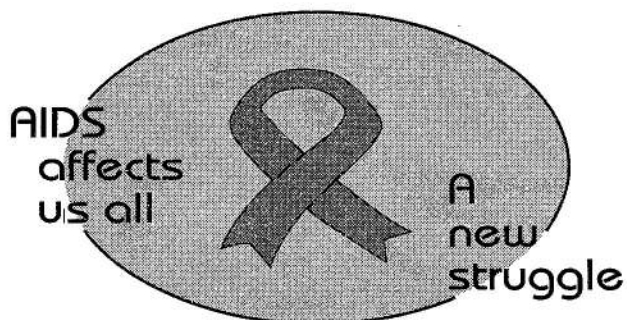
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PRETORIA, 8 OCTOBER 1999
OKTOBER

No. 20526

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DEPARTMENT OF HEALTH

GOVERNMENT NOTICE GOEWERMENTSKENNISGEWING

DEPARTMENT OF WATER AFFAIRS AND FORESTRY DEPARTEMENT VAN WATERWESE EN BOSBOU

No. 1191

8 October 1999

GENERAL AUTHORISATIONS IN TERMS OF SECTION 39 OF THE NATIONAL WATER ACT, 1998 (ACT NO. 36 OF 1998)

I, ARTHUR MICHAEL MULLER, in my capacity as Director-General of the Department of Water Affairs and Forestry, and duly authorised in terms of section 63 of the National Water Act, 1998 (Act No. 36 of 1998), do hereby authorise all or any category of persons to use water in terms of section 39(1) of the National Water Act, read together with section 21, in respect of the General Authorisations contained in the Schedule hereto.

DIRECTOR-GENERAL: WATER AFFAIRS AND FORESTRY

SCHEDULE

1. THE TAKING OF WATER FROM A WATER RESOURCE AND STORAGE OF WATER

[Section 21(a) and (b)]

Purpose of this authorisation

1.1. The authorisation permitted in terms of this Schedule replaces the need for a water user to apply for a licence in terms of the National Water Act for the abstraction or storage of water from a water resource, provided that the abstraction or storage is within the limits and conditions set out in this authorisation.

Exclusion

1.2. This authorisation does not apply-

- (a) to any determination as regards abstraction and storage in respect of a government water control area, a government water work, a catchment control area or an irrigation district as defined in the Water Act, 1956 (Act No. 54 of 1956) prior to its repeal;
- (b) to a person who does not have lawful access to any waterwork or water resource; and
- (c) to wetlands, the dewatering of mines or storage of water underground.

Compliance with National Water Act and other laws

1.3.(1) This authorisation does not-

- (a) apply to any water use under Schedule 1 of the National Water Act;
- (b) replace any existing authorisation that is recognised under the National Water Act; or
- (c) exempt a person who uses water from compliance with any other provision of the National Water Act unless stated otherwise in this notice, or any other applicable law, regulation, ordinance or by-law.

(2) In the case of the abstraction of water for industrial purposes the provisions of section 7 of the Water Services Act, 1997 (Act No. 108 of 1997), must be met.

(3) A person who uses water in terms of this authorisation is exempt from compliance with section 22(2)(e) of the National Water Act.

Area of applicability

1.4 This authorisation is applicable throughout the Republic of South Africa, except as excluded in paragraph 1.2.(a) above and the areas set out in-

(a) Table 1.1 for surface water abstraction; and

(b) Table 1.2 for groundwater abstraction.

Duration of authorisation

1.5. This authorisation will be valid for a period of five years from the date of publication of this notice, unless-

(a) it is amended at any review period, which period shall be at intervals of two years from the date of publication of this notice;

(b) the period is extended by a further notice in the *Gazette*; or

(c) the water user is required to apply for a licence in terms of the National Water Act.

Definitions

1.6. In this authorisation unless the context indicates otherwise, any word or expression to which a meaning has been assigned in terms of the National Water Act shall have that meaning, and-

(i) "**abstraction**" means taking water from a water resource;

(ii) "**monitoring programme**" means a programme for taking regular measurements of the quantity and/or quality of a water resource, waste or wastewater discharge at specified intervals and at specific locations to determine the chemical, physical and biological nature of the water resource, waste or wastewater discharge; and

(iii) "**storage**" means storing water not containing waste, in a watercourse or off-channel storage.

Abstraction and storage

1.7. A person who-

(i) owns or lawfully occupies property registered at the Deeds Office as at the date of this notice; or

(ii) lawfully occupies or uses land that is not registered or surveyed,

outside of the areas as excluded in paragraph 1.2.(a) above and as set out in Table 1.1 and Table 1.2, may on that property or land,

(a) abstract groundwater as set out in Table 1.3;

(b) abstract surface water at a rate of up to 25 litres per second-

(i) for the irrigation of up to 25 hectares of land, at 6 000 cubic metres per hectare per annum; or

(ii) for purposes other than irrigation, up to 100 cubic metres on any given day; and

(c) store up to 50 000 cubic metres of water.

Registration of water use

1.8.(1) A person who uses water in terms of this authorisation must submit a registration form obtained from the Department for the registration of the water use before commencement of-

- (a) abstracting more than 50 cubic metres from surface water or 10 cubic metres from groundwater on any given day; or
 - (b) storing more than 10 000 cubic metres of water.
- (2) On written acknowledgement of receipt of the application form by the Department, the person will be regarded as a registered water user.
- (3) The registered user must comply with any regulation promulgated in terms of section 26(1)(c) of the National Water Act.

Precautionary practices

- 1.9.(1) The registered user must ensure that any dam complies with the requirements of Chapter 12 of the National Water Act.
- (2) The registered user must follow acceptable construction, maintenance and operational practices to ensure the consistent, effective and safe performance of the abstraction and storage of water.
- (3) Where water is stored in a watercourse, the registered user must take reasonable measures to ensure that the movement of aquatic species is not prevented, including those species which normally migrate through the watercourse.

Record-keeping and disclosure of information

- 1.10.(1) The registered user must ensure the establishment of monitoring programmes to measure the quantity of water abstracted and/or stored, as follows-
- (a) the quantity of groundwater or surface water abstracted must be metered or gauged and the total recorded as at the last day of each month;
 - (b) in the case of irrigation and where no meter or gauge is used, the quantity of water abstracted may be calculated according to methods set by the Responsible Authority; and
 - (c) the quantity of water stored recorded as at the last day of each month.
- (2) Upon the written request of the Responsible Authority the registered user must-
- (a) ensure the establishment of any additional monitoring programmes; and
 - (b) appoint a competent person to assess the water use measurements made in terms of this authorisation and submit the findings to the Responsible Authority for evaluation.
- (3) Subject to paragraph 1.10.(2) above, the registered user must, for at least five years, keep a written record of all taking and storage of surface or groundwater which information must be made available upon written request to the Responsible Authority.

Inspections

- 1.11. Any property or land in respect of which a water use has been authorised in terms of this notice must be made available for inspection by an authorised person in terms of section 125 of the National Water Act.

Offences

- 1.12. Any person who contravenes any provision of this authorisation is guilty of an offence and is subject to the penalty set out in section 151(2) of the National Water Act.

NOTE: Information regarding the drainage regions referred to in Tables 1.1, 1.2 and 1.3 can be obtained from the Department, upon written request.

TABLE 1.1 Areas excluded from General Authorisation for surface water abstraction

Primary drainage region	Secondary/Tertiary/Quaternary drainage region and excluded resources	Description of main river in drainage region for information purposes
A	All catchments	Limpopo River
B	All catchments	Olifants River
C	C10, C20, C40, C50, C60, C70, C80 & C90	Vaal River
D	Orange River downstream of Gariep Dam	
	D13	Kraai River
E	Olifants River	
	E10A to K	Olifants River above the confluence with the Doring River
	E21	Groot River
G	G10 G21 G22 G30 G40A to E G40L & M	Berg River Diep River Eerste River Verlorevlei River Bot River Klein River, Uilkraals River
H	H20A, B, D, E, F, G & H H30 H40 H60A, B & C H80A to E	Hex River Kingna River Breede River downstream of Brandvlei Dam to confluence with the Kingna River Tributaries of the Sonderend River upstream of the Theewaterskloof Dam Duivenhoks River
J	J12 J25 J31 to 35 J40C	Touws River Gamka River Olifants River Langtouw and Weyers Rivers
K	K10 K20 K40C K50 & K60 K70B K80A to F K90A to G	Little Brak River Great Brak River Karatar River Knysna, Keurbooms Rivers Bloukrans River Lottering, Storms, Sandrif, Groot, Tsitsikamma, Klippedrift Rivers Kromme, Seekoei, Kabeljous Rivers
L	L81 L82 L90	Baviaanskloof River Kouga River Lower Gamtoos River
M	M10 M20 M30	Swartkops River Maitland River Van Stadens River
N	Sundays River downstream of Darlington Dam Skoenmakers River downstream of Skoenmakers Canal Outlet N11, N12 N12A, B & C	
		Sundays River upstream of Vanrynevelds Pass Dam Gats River
P	P10 P30 P40	Bushmans River Kowie River Kariega River
Q	Great Fish River, Little Fish River Q41A, Q41B, Q41C, Q41D, Q44A, Q44B Q42A & B Q43A & B Q44A & B	Tarka River Elands River Vlekpoort River Lake Authur
R	R20 R30A, B, C & D R30E & F	Buffels River Kwenxura, Kwelera, Gonubie Rivers Nahoon River
S	S10 A to E S20A to C	White Kei River upstream of the Xonxa Dam Indwe River upstream of the Lubisi Dam

Primary drainage region	Secondary/Tertiary/Quaternary drainage region and excluded resources	Description of main river in drainage region for information purposes
	S32A to C S32D & E S32F S40A, B & C S50A, B & C S60A & B S60C & D S70C	Swart Kei River upstream of the Klipplaat confluence Klipplaat River upstream of Waterdown Dam Oxkraal River upstream of the Oxkraal Dam Thorn, Thomas Rivers Tsomo, Kwa-Qokwama and Mbokotwa Rivers Kubusi River upstream of Wiggleswade Dam Toise River Xilinx River upstream of the Xilinx Dam
T	T11A & B T20A & B T35A, B, C, D, F & G	Slang, Xuka Rivers Mtata River upstream of Mtata Dam Tsitsa, Pot, Mooi, Inxu, Wildebees, Gatberg Rivers
U	U20 & U40	Mgeni, Mvoti Rivers
V	V11 V20 V60 V70	Upper Thukela River Mooi River Sundays River Bushmans River
W	W12 W21A W30	Mhlatuze River White Mfolozi River upstream of Klipfontein Dam Hluhluwe and Mkuzi Rivers
X	All catchments	Nkomati River

TABLE 1.2 Subterranean government water control areas excluded from General Authorisation for groundwater abstraction

Primary drainage region	Tertiary/ Quaternary drainage region	Description of subterranean government water control area	Government Notice No.	Government Gazette Date
H	H30	Baden	136	1967-06-16
A	A30	Bo-Molopo	1324	1963-08-30
C	C30	Bo-Molopo	1993	1965-12-17
D	D41	Bo-Molopo	R634	1966-04-29
A	A24	Crocodile River Valley	208	1981-10-23
A	A21	Crocodile River Valley	18	1983-02-18
A	A21, A22	Kroondal-Marikana	180	1963-06-17
G	G10, G30	Lower Berg River Valley/Saldanha	185	1976-09-10
A, B	A60, B50, B31	Nyl River Valley	56	1971-03-26
G	G30	Strandfontein	2463	1988-12-09
M	M10, M20, M30	Uitenhage	260	1957-08-23
G	G30	Wadrif	992	1990-05-11
G	G20	Yzerfontein	27	1990-02-09
G	G30	Graafwater	1423	1990-06-29
A	A70	Dendron-Vivo	813	1994-04-29
A	A60	Dorpsrivier	312	1990-02-16
C	C24	Ventersdorp	777	1995-06-02

Table 1.3 Groundwater Abstraction Zones: Tertiary and Quaternary Drainage Regions

ZONE A	ZONE B		ZONE C		ZONE D
No water may be abstracted from these drainage regions except as set out under Schedule 1 of the National Water Act	60 m ³ per hectare per annum may be abstracted from these drainage regions		300 m ³ per hectare per annum may be abstracted from these drainage regions		750 m ³ per hectare per annum may be abstracted from these drainage regions
A10C	A10A,B	J13 – all	A21D,L	T12,T13 – all	A21A,B
A24J	A21C,E,F,G,H,J,K	J21A	A22J	T20A,B,C	C22B,D
A32D,E	A22A,B,C,D,E,F,G,H	J22A,B,C,D,G	A23B,C,F,G,H,J,K,L	T31A,B,C,D,F,G,H	E10A,B,C
A63A	A23A,D,E	J23E	A24A	T33E,F,G	G10A,B,E,G
A71K,L	A24D,E,F,H	J24A,F	A24B,C,G	T34G,H	G21B
A80G,J	A31A,B,D,E,F,G,H,J	J31D	A31C	T35E,H,J,K	G22A,B,C,D,F
A92D	A32,A,B,C	J32E	A61D,E	T40F,G	G40A,B,C,D,E,G,H,J,L,M
D41C,E,F,H,K,M	A41A,B,C,D,E	J33A,B,C,D	A91B,C,D,E,F	T51A,B,D,E,F,G	G50A,B,E,F
D42 – all	A42,A50 - all	J34B,E,F	B11,B12 – all	T52M	H10B,C,E,G,J,K,L

ZONE A No water may be abstracted from these drainage regions except as set out under Schedule 1 of the National Water Act	ZONE B 60 m ³ per hectare per annum may be abstracted from these drainage regions		ZONE C 300 m ³ per hectare per annum may be abstracted from these drainage regions		ZONE D 750 m ³ per hectare per annum may be abstracted from these drainage regions
D53D,E,F,G,H,J	A61A,B,C,F,G,H,J	J35B	B20A,D,G,H,J	T70D	H20B,C,D,E,F,G
D57C,D,E	A62 – all	J40A,C,D,E	B31A,B,C,D,E,F,G,H	T80,T90	H30C
D73C,D,E	A63B,C,D,E	K10A	B32A,B,C,G,J	U10A,B,C,D,M	H40K
D81A,B,C,D,E,F,G	A71A,B,C,D,E,F,G,H,J	L11 – all	B51C,H	U20L,M	H60A,B,C
D82 – all	A72 – all	L12B	B60A,B,C,D,H,J	U30A,B,D	H70D
E22D,E	A80A,B,C,D,E,F,H	L21,L22,L23	B71A,C,F,G,H	U40D,E,G,H,J	H80A,B,C,E,F
E23C,D,F,G,H,J,K	A91A,G,H,J,K	L30,L40,L50,L60	B72A,B,C,D,E,F,G,H	U50A	H90A,B,C,E
E24D,G,H	A92A,B,C	L70A,B,C,D,E,F	B73A	U70E	J12A
E31 – all	B20B,C,E,F	M10C,D	B81A,B,C,D	U80 – all	J31A,B,C
E33A,B,D,E,H	B31J	M30 – all	B82A,B,C,D,E,F	V11A,B,E,G	J34A,C,D
F10A,B,C	B32D,E,F,H	N11,N12,N13,N14,N21,N22	C11A,B,C,D,E,F,G,H,J,K	V13A	J40B
F20A,B,C,D,E	B41,B42 – all	N23A,B	C12A,D,E,F,G,H,K,L	V20A,B,C,H	K10C,E
F30B,E,F,G	B51A,B,E,F,G	N24 – all	C13C,E,F,G,H	V31C,D,G,H,J,K	K30D
F40 – all	B52 – all	N30,N40 – all	C21A,B,C,D,E,G	V32 – all	K40A,B,C,E
F50D,F,G	B60E,F,G	P10,P30,P40 – all	C22C,E,F,K	V33A	K50,K60,K70,K80 – all
F60A,B,C,D	B71B,D,E,J	Q11,Q12,Q13,Q14,Q21,Q22,Q30 – all	C23B,C,D,E,F,G,H	V40B,D,E	K90A,B,C
J11G,J	B72J,K	Q41C,D	C24 – all	V50A,B,D	L70G
J21B,C,D,E	B73B,C,D,E,F,G,H,J	Q42,Q43,Q44 – all	C25A,D	V60A,B,C,D,E,F,G,H	L81,L82 – all
J22E,F,H,J,K	B81E,F,G,H,J	Q50,Q60,Q70,Q80 – all	C31A,B,C,D,E	V70A,B,C,D	M10A,B
J23A,B,C,D,F,G,H	B82G,H,J	Q91 – all	C32D	W11B,C	M20A
J24B,C,D,E	B83,B90 – all	Q92C,E,F,G	C33 – all	W12B,E	P20B
J32A,B,C,D	C11L,M	Q93B,C,D	C41A,B,D,E	W13A,B	T52L
L12A,C,D	C12B,C,J	R50B	C42A,B,C,D,E,F,G,H,J,K	W21A,B,D	T60D,E,G,H
	C13A,B,D	S10A,B,C,D	C60A,B,C,D,E,F	W21G,H,J	U20K
	C21F	S20A,B	C70A,B,J	W22A	U30C,E
	C22A,G,H,J	S31A,B,C	C81 – all	W31A	U40C,F
	C23A,J,K,L	S50A,B,C,D	C82A,B,C,D,E,F,G	W41A,B,C	U60C,D,E,F
	C24B	T11A,B,D,E	C83A,B,C,D,E,F,G,H,J,K,L	W41D	U70C,D,F
	C25B,C,E,F	T20D,E,F,G	C92 – all	W42A,B,C,D,F,M	V50C
	C31F	T31J	D13A,B,C,D,E,F,K	W51A,B,C,D	W11A
	C32A,B,C	T32 – all	D16A	W52A,B,C	W12C,F,J
	C41C,F,G,H,J	T33A,B,C,D,H,J,K	D21D,E,F,G,H,L	W53A,B	W23C,D
	C42L	T34A,B,C,D,E,F,J,K	D22A,B,D,G,H,L	W54,W55 – all	W31J,L
	C43	T35A,B,C,D,F,G,L,M	D41A,G,L	W56A,B	W32A,B,F,H
	C51,C52 – all	T36 – ALL	E10D,E,F,G,H,J,K	W57J	W43F
	C60G,H,J	T40A,B,C,D,E	E21H,J,K	X11A,B,C	W45 – all
	C70C,D,E,F,G,H,K	T51C,H,J	E24A,L,M	X11H,J,K	W57K
	C82H	T52A,B,C,D,E,F,G,H,J,K	E40D	X12 – all	W70A
	C83M	T60A,B,C,F,J,K	G10C,D,F,H,J,K,L,M	X13A	
	C91,D12 – all	T70A,B,C,E,F,G	G21A,C,D,E,F	X14A,B,D,E,G,H	
	D13G,H,J,L,M	U10E,F,G,H,J,K,L	G22E,G,H,J,K	X21H,K	
	D14 – all	U20A,B,C,D,E,F,G,H,J	G30A,B,C,D,E,F,G	X22B,C,D,E,F,G,H,J,K	
	D15G,H	U40A,B	G40F,K	X23 – all	
	D18K,L	U60A,B	G50C	X24A,B,C,D	
	D23A,C,D,E,F,G,H,J	U70A,B	H10D,F,H	X31A,B,C,D,E,F,G,H,J	
	D24 – all	V11C,D,F,H,J,K,L,M	H20H	X32A,B,C,D,E,F	
	D32,D33,D34,D35 – all	V12,V14 – all	H30A,B,D,E		
	D41B,D,J	V13B,C,D,E	H40B,C,D,E,F,G,H,J,L		
	D51,D52 – all	V20D,E,F,G,J	H50 – all		
	D53A,B,C	V31A,B,E,F	H60D,E,F,G,H,J		
	D54,D55,D56 – all	V33B,C,D	H70E,F		
	D57A,B	V40A,C	J23J		
	D58,D61,D62,D71,D72 – all	V60J,K	J25 – all		
	D73A,B,F	V70E,F,G	J33E,F		

ZONE A No water may be abstracted from these drainage regions except as set out under Schedule 1 of the National Water Act	ZONE B 60 m ³ per hectare per annum may be abstracted from these drainage regions	ZONE C 300 m ³ per hectare per annum may be abstracted from these drainage regions	ZONE D 750 m ³ per hectare per annum may be abstracted from these drainage regions
	E21A,B,C,D,E,F,G,L	W12A,D,G,H	J35A,C,D,E,F
	E22A,B,C,F,G	W21C,E,F,K,L	K10B,D,F
	E23A,B,E	W22B,C,D,E,F,G,H,J,K,L	K20A
	E24B,C,E,F,J,K	W23A,B	K30A,B,C
	E32	W31B,C,D,E,F,G,H,K	K40D
	E33C,F,G	W32C,D,E,G	K90D,E,F,G
	E40A,B,C	W41E,F,G	L90 – all
	F30A,C,D	W42E,G,H,J,K,L	M20B
	F50A,B,C,E	W44	P20A
	F60E	W51E,F	Q41A,B
	G30H	W52D	Q92A,B,D
	G50D,G,H	W53C,D,E	Q93A
	H10A	X11D,E,F,G	Q94 – all
	H20A	X13J,K,L	R10,R20,R30,R40 – all
	H40A	X21A,B,C,D,E,F,G,J	R50A
	H60K,L	X22A	S10E,F,G,H,J
	H70A,B,C,G,H,J,K	X24E,F,G,H	S20C,D
	H80D	X31K,L,M	S31D,E,F,G
	H90D	X32G,H,J	S32,S40,S60,S70 – all
	J11A,B,C,D,E,F,H,K	X33, X40 – all	S50E,F,G,H,J
	J12B,C,D,E,F,G,H,J,K,L,M		T11C,F,G,H

2 ENGAGING IN A CONTROLLED ACTIVITY, IDENTIFIED AS SUCH IN SECTION 37(1): IRRIGATION OF ANY LAND WITH WASTE OR WATER CONTAINING WASTE GENERATED THROUGH ANY INDUSTRIAL ACTIVITY OR BY A WATERWORK

[Section 21(e)]

Purpose of this authorisation

2.1. The authorisation permitted in terms of this Schedule replaces the need for a water user to apply for a licence in terms of the National Water Act provided that the irrigation is within the limits and conditions set out in this authorisation.

Exclusion

2.2. This authorisation does not apply to a person who is not the lawful occupier of the land on which the wastewater irrigation takes place.

Compliance with National Water Act and other laws

2.3.(1) This authorisation does not-

- (a) replace any existing authorisation that is recognised under the National Water Act; or
- (b) exempt a person who uses water from compliance with any other provision of the National Water Act unless stated otherwise in this notice, or any other applicable law, regulation, ordinance or by-law.

(2) A person who uses water in terms of this authorisation is exempt from compliance with section 22(2)(e) of the National Water Act.

Area of applicability

2.4 This authorisation is applicable throughout the Republic of South Africa, except for any subterranean government water control area as defined in the Water Act, 1956 (Act No. 54 of 1956), prior to its repeal and set out in Table 2.1.

Duration of authorisation

2.5. This authorisation will be applicable for a period of three years from the date of publication of this notice, unless-

- (a) it is amended at any review period, which period shall be at intervals of one year from the date of publication of this notice;
- (b) the period is extended by a further notice in the *Gazette*; or
- (c) the water user is required to apply for a licence in terms of the National Water Act.

Definitions

2.6. In this authorisation, unless the context indicates otherwise, any word or expression to which a meaning has been assigned in terms of the National Water Act shall have that meaning, and-

- (i) **"biodegradable industrial wastewater"** means wastewater that contains predominantly organic waste arising from industrial activities and premises including-
 - (a) milk processing;
 - (b) manufacture of fruit and vegetable products;
 - (c) sugar mills;
 - (d) manufacture and bottling of soft drinks;
 - (e) water bottling;
 - (f) production of alcohol and alcoholic beverages in breweries, wineries or malt houses;
 - (g) manufacture of animal feed from plant or animal products;
 - (h) manufacture of gelatine and glue from hides, skin and bones;
 - (i) abattoirs;
 - (j) fish processing; and
 - (k) feedlots;
- (ii) **"commercial activity"** means those activities identified in the Standard Industrial Classification of All Economic Activities (5th Edition), published by the Central Statistics Service, 1993, as amended and supplemented, under the following categories-
 - a) 6: wholesale and retail trade,
 - b) 7: transport, storage and communication,
 - c) 8: business services,
 - d) 9: community, social and personal services,
 - e) 0: personal and other services;
- (iii) **"domestic wastewater"** means wastewater arising from domestic and commercial activities and premises, and may contain sewage;
- (iv) **"irrigation"** means the application of wastewater for the purpose of crop production, and includes the cultivation of pasture;
- (v) **"monitoring programme"** means a programme for taking regular measurements of the quantity and/or quality of a water resource, waste or wastewater discharge at specified intervals and at specific locations to determine the chemical, physical and biological nature of the water resource, waste or wastewater discharge;

- (vi) **"organic waste"** means waste of non-anthropogenic origin that is readily biodegradable in the environment and does not contain any substances that may accumulate in the environment;
- (vii) **"primary treatment"** means treatment of wastewater by a physical process, which may involve maceration, sedimentation, screening and grit removal;
- (viii) **"secondary treatment"** means treatment of wastewater by a biological process, through solar and other energy, bacteria, algae and a variety of aquatic biota, to remove organic matter;
- (ix) **"wastewater"** means water containing waste, or water that has been in contact with waste material.

Irrigation with wastewater

2.7. A person who-

- (i) owns or lawfully occupies property registered in the Deeds Office as at the date of this notice; or
- (ii) lawfully occupies or uses land that is not registered or surveyed,

outside of the areas as excluded in paragraph 2.4 above, may on that property or land-

(1) irrigate up to 500 cubic metres of domestic or biodegradable industrial wastewater on any given day, provided the-

- (a) electrical conductivity does not exceed 200 milliSiemens per metre (mS/m);
- (b) pH is not less than 6 or more than 9 pH units;
- (c) Chemical Oxygen Demand (COD) does not exceed 400 mg/l after removal of algae;
- (d) faecal coliforms do not exceed 100 000 per 100 ml; and
- (e) Sodium Adsorption Ratio (SAR) does not exceed 5 for biodegradable industrial wastewater.

(2) irrigate up to 50 cubic metres of biodegradable industrial wastewater on any given day, provided the-

- (a) electrical conductivity does not exceed 200 milliSiemens per metre (mS/m);
- (b) pH is not less than 6 or more than 9 pH units;
- (c) Chemical Oxygen Demand (COD) does not exceed 5 000 mg/l after removal of algae;
- (d) faecal coliforms do not exceed 100 000 per 100 ml; and
- (e) Sodium Adsorption Ratio (SAR) does not exceed 5 for biodegradable industrial wastewater.

Registration of irrigation with wastewater

2.8.(1) A person who irrigates with wastewater in terms of this authorisation must submit a registration form obtained from the Department for registration of the water use before commencement of irrigation if more than 10 cubic metres of wastewater are irrigated on any given day.

(2) On written acknowledgement of receipt of the application form by the Department, the person will be regarded as a registered water user.

(3) The registered user must comply with any regulation promulgated in terms of section 26(1)(c) of the National Water Act.

Location of irrigation with wastewater

2.9. Wastewater irrigation in terms of this authorisation is only permitted if the irrigation takes place-

- (a) above the 100 year flood line, or alternatively, more than 100 metres from the edge of a water resource or a borehole which is utilised for drinking water or stock watering; and
- (b) on land that is not or does not overlie a Major Aquifer (identification of a Major Aquifer will be provided by the Department, upon written request).

Record-keeping and disclosure of information

2.10.(1) The registered user must ensure the establishment of monitoring programmes to monitor the quantity and quality of the wastewater to be irrigated prior to commencement of irrigation, as follows-

- (a) the quantity must be metered and the total recorded weekly; and
- (b) the quality must be monitored monthly as at the last day of each month by grab sampling, at the point at which the wastewater enters the irrigation system for all parameters listed in subparagraph 2.7.(1).

(2) The methods for the measurement of specific substances and parameters in any wastewater must be carried out-

- (a) by a laboratory that has been accredited under the South African National Accreditation System (SANAS) in terms of SABS Code 0259 for that method; or
- (b) as approved in writing by the Minister.

(3) Upon the written request of the Responsible Authority the registered user must-

- (a) ensure the establishment of any additional monitoring programmes; and
- (b) appoint a competent person to assess the water use measurements made in terms of this authorisation and submit the findings to the Responsible Authority for evaluation.

(4) Subject to paragraph 2.10.(3) above, the registered user must keep a written record of the following wastewater irrigation and related activities, for at least three years-

- (a) the location and extent of the area under irrigation, demarcated on a 1:50 000 topographic map;
- (b) details of the crop(s) and the area under irrigation;
- (c) the irrigation management techniques being practised;
- (d) quantity of wastewater irrigated;
- (e) quality of wastewater irrigated;
- (f) details of the monitoring programme;
- (g) details of failure and malfunctions in the irrigation system and details of measures taken; and

such information must be made available upon written request to the Responsible Authority.

(5) Any information on the occurrence of any incident that has or is likely to have a detrimental impact on the water resource quality must be reported to the Responsible Authority.

Precautionary practices

2.11.(1) The registered user must follow acceptable construction, maintenance and operational practices to ensure the consistent, effective and safe performance of the wastewater irrigation system, including the prevention of-

- (a) waterlogging of the soil and pooling of wastewater on the surface of the soil;

- (b) nuisance conditions such as flies or mosquitoes, odour or secondary pollution;
- (c) waste, or wastewater, entering any surface water resource;
- (d) the unreasonable chemical or physical deterioration of, or any other damage to, the soil of the irrigation site; and
- (e) the unauthorised use of the wastewater by members of the public.

(2) All reasonable measures must be taken for storage of the wastewater used for irrigation when irrigation cannot be undertaken.

(3) Suspended solids must be removed from any wastewater, and the resulting sludge disposed of according to the requirements of any relevant law or regulation, including-

- (a) "Permissible utilisation and disposal of sewage sludge" Edition 1, 1997. Water Research Commission Report No TT 85/97; and
- (b) "Guide: Permissible utilisation and disposal of treated sewage effluent", 1978. Department of National Health and Population Development Report No. 11/2/5/3 (obtainable from the Department upon written request).

(4) All reasonable measures must be taken to provide for mechanical, electrical, operational, or process failures and malfunctions of the wastewater irrigation system.

(5) All reasonable measures must be taken to collect stormwater runoff containing waste or wastewater emanating from the area under irrigation and to retain it for disposal.

Inspections

2.12. Any property or land in respect of which a water use has been authorised in terms of this notice must be made available for inspection by an authorised person in terms of section 125 of the National Water Act.

Offences

2.13. Any person who contravenes any provision of this authorisation is guilty of an offence and is subject to the penalty set out in section 151(2) of the National Water Act.

NOTE: Information regarding the drainage regions referred to in Table 2.1 can be obtained from the Department, upon written request.

TABLE 2.1 Subterranean government water control areas excluded from General Authorisation for irrigation with waste

Primary drainage region	Tertiary/ Quaternary drainage region	Description of subterranean government water control area	Government Notice No.	Government Gazette Date
H	H30	Baden	136	1967-06-16
A	A30	Bo-Molopo	1324	1963-08-30
C	C30	Bo-Molopo	1993	1965-12-17
D	D41	Bo-Molopo	R634	1966-04-29
A	A24	Crocodile River Valley	208	1981-10-23
A	A21	Crocodile River Valley	18	1983-02-18
A	A21, A22	Kroondal-Marikana	180	1963-06-17
G	G10, G30	Lower Berg River Valley/Saldanha	185	1976-09-10
A, B	A60, B50, B31	Nyl River Valley	56	1971-03-26
G	G30	Strandfontein	2463	1988-12-09
M	M10, M20, M30	Uitenhage	260	1957-08-23
G	G30	Wadri	992	1990-05-11
G	G20	Yzerfontein	27	1990-02-09
G	G30	Graafwater	1423	1990-06-29
A	A70	Dendron-Vivo	813	1994-04-29
A	A60	Dorpsrivier	312	1990-02-16
C	C24	Ventersdorp	777	1995-06-02

3 DISCHARGE OF WASTE OR WATER CONTAINING WASTE INTO A WATER RESOURCE THROUGH A PIPE, CANAL, SEWER OR OTHER CONDUIT; AND DISPOSING IN ANY MANNER OF WATER WHICH CONTAINS WASTE FROM, OR WHICH HAS BEEN HEATED IN, ANY INDUSTRIAL OR POWER GENERATION PROCESS

[Section 21(f) and (h)]

Purpose of this authorisation

3.1. The authorisation permitted in terms of this Schedule replaces the need for a water user to apply for a licence in terms of the National Water Act provided that the discharge is within the limits and conditions set out in this authorisation.

Exclusion

3.2. This authorisation does not apply to a person who discharges wastewater through sea outfalls, or to an aquifer, or any other groundwater resource.

Compliance with National Water Act and other laws

3.3.(1) This authorisation does not-

- (a) apply to any water use under Schedule 1 of the National Water Act;
- (b) replace any existing authorisation that is recognised under the National Water Act;
- (c) exempt a person from compliance with section 7(2) of the Water Service Act, 1997 (Act No. 108 of 1997); or
- (d) exempt a person who uses water from compliance with any other provision of the National Water Act unless stated otherwise in this notice, or any other applicable law, regulation, ordinance or by-law.

(2) A person who uses water in terms of this authorisation is exempt from compliance with section 22(2)(e) of the National Water Act.

Area of applicability

3.4 This authorisation is applicable throughout the Republic of South Africa, except for the areas set out in Table 3.1.

NOTE: Information regarding the drainage regions referred to in Table 3.1 can be obtained from the Department, upon written request.

TABLE 3.1 Areas excluded from General Authorisation for discharges to water resources

Primary drainage region	Tertiary drainage region	Description of main river in drainage region
B	B11, B12 B20 B31, B32 B41, B42 B60	Olifants River Wilge River Olifants River Steelpoort River Blyde River
W	W51, W52, W53, W54, W55, W56, W57	Usutu River
X	X11, X12, X13, X14 X21, X22, X23, X24 X31, X32, X33 X40	Nkomati River

Duration of authorisation

3.5. This authorisation will be applicable for a period of five years from the date of this notice, unless-

- (a) it is amended at any review period, which period shall be at intervals of two years from the date of publication of this notice;
- (b) the time period is extended by a further notice in the *Gazette*; or
- (c) the water user is required to apply for a licence in terms of the National Water Act.

Definitions

3.6. In this authorisation unless the context indicates otherwise, any word or expression to which a meaning has been assigned in terms of the National Water Act shall have that meaning, and-

- (i) **"commercial activity"** means those activities identified in the Standard Industrial Classification of All Economic Activities (5th Edition), published by the Central Statistics Service, 1993, as amended and supplemented, under the following categories-
 - a) 6: wholesale and retail trade,
 - b) 7: transport, storage and communication,
 - c) 8: business services,
 - d) 9: community, social and personal services,
 - e) 0: personal and other services;
- (ii) **"complex industrial wastewater"** means wastewater arising from industrial activities and premises, that contains-
 - a) a complex mixture of substances that are difficult or impractical to chemically characterise and quantify, or
 - b) one or more substances, for which a Wastewater Limit Value has not been specified, and which may be harmful or potentially harmful to human health, or to the water resource (identification of complex industrial wastewater will be provided by the Department upon written request);
- (iii) **"domestic wastewater"** means wastewater arising from domestic and commercial activities and premises, and may contain sewage;
- (iv) **"domestic wastewater discharge"** means a wastewater discharge consisting of 90% or more domestic wastewater, by volume, that is collected, treated and subsequently disposed of;
- (v) **"industrial activity"** means those activities identified in the Standard Industrial Classification of All Economic Activities (5th Edition), published by the Central Statistics Service, 1993, as amended and supplemented, under the following categories-
 - a) 2: mining and quarrying,
 - b) 3: manufacturing,
 - c) 4: electricity, gas and water supply,
 - d) 5: construction;
- (vi) **"industrial wastewater discharge"** means a wastewater discharge consisting of more than 10% industrial wastewater, by volume, that is collected, treated and subsequently disposed of;
- (vii) **"intake"** is water taken from a water resource, and excludes water taken from any source that is not a water resource;
- (viii) **"monitoring programme"** means a programme for taking regular measurements of the quantity and/or quality of a water resource, waste or wastewater discharge at specified intervals and at specific locations to determine the chemical, physical and biological nature of the water resource, waste or wastewater discharge;

- (ix) **"listed water resources"** are those water resources listed in Table 3.4 and include any tributary of a listed water resource, and any water resource draining the catchment area of a listed water resource;
- (x) **"wastewater"** means water containing waste, or water that has been in contact with waste material;
- (xi) **"wastewater limit value"** means the mass expressed in terms of the concentration and/or level of a substance which may not be exceeded at any time. Wastewater Limit Values shall apply at the last point where the discharge of wastewater enters into a water resource, dilution being disregarded when determining compliance with the Wastewater Limit Values. Where discharge of wastewater does not directly enter a water resource, the Wastewater Limit Values shall apply at the last point where the wastewater leaves the premises of collection and treatment.

Discharging of domestic and industrial wastewater into water resources

3.7.(1) A person who-

- (i) owns or lawfully occupies property registered in the Deeds Office as at the date of this notice; or
- (ii) lawfully occupies or uses land that is not registered or surveyed,

outside of the areas as excluded in paragraph 3.4 above, may on that property or land-

(a) discharge up to 2 000 cubic metres of wastewater on any given day into a water resource that is **not** a listed water resource referred to in Table 3.4, provided-

- (i) the discharge complies with the General Limit Values set out in Table 3.2;
- (ii) the discharge does not alter the natural ambient water temperature of the receiving water resource by more than 3 degrees Celsius; and
- (iii) the discharge is not a Complex Industrial Wastewater.

(b) discharge up to 2 000 cubic metres of wastewater on any given day into a listed water resource referred to in Table 3.4, provided-

- (i) the discharge complies with the Special Limit Values set out in Table 3.2;
- (ii) the discharge does not alter the natural ambient water temperature of the receiving water resource by more than 2 degrees Celsius; and
- (iii) the discharge is not a Complex Industrial Wastewater.

(2) A person may discharge stormwater runoff from any premises, not containing waste or wastewater emanating from industrial activities and premises, into a water resource.

TABLE 3.2: Wastewater limit values applicable to discharge of wastewater into a water resource

SUBSTANCE/PARAMETER	GENERAL LIMIT	SPECIAL LIMIT
Faecal Coliforms (per 100 ml)	1 000	0
Chemical Oxygen Demand (mg/l)	75*	30*
pH	5,5-9,5	5,5-7,5
Ammonia (ionised and un-ionised) as Nitrogen (mg/l)	3	2
Nitrate/Nitrite as Nitrogen (mg/l)	15	1,5
Chlorine as Free Chlorine (mg/l)	0,25	0
Suspended Solids (mg/l)	25	10
Electrical Conductivity (mS/m)	70 mS/m above intake to a maximum of 150 mS/m	50 mS/m above background receiving water, to a maximum of 100 mS/m
Ortho-Phosphate as phosphorous (mg/l)	10	1 (median) and 2,5 (maximum)

SUBSTANCE/PARAMETER	GENERAL LIMIT	SPECIAL LIMIT
Fluoride (mg/l)	1	1
Soap, oil or grease (mg/l)	2,5	0
Dissolved Arsenic (mg/l)	0,02	0,01
Dissolved Cadmium (mg/l)	0,005	0,001
Dissolved Chromium (VI) (mg/l)	0,05	0,02
Dissolved Copper (mg/l)	0,01	0,002
Dissolved Cyanide (mg/l)	0,02	0,01
Dissolved Iron (mg/l)	0,3	0,3
Dissolved Lead (mg/l)	0,01	0,006
Dissolved Manganese (mg/l)	0,1	0,1
Mercury and its compounds (mg/l)	0,005	0,001
Dissolved Selenium (mg/l)	0,02	0,02
Dissolved Zinc (mg/l)	0,1	0,04
Boron (mg/l)	1	0,5

* After removal of algae

Registration of discharges into water resources

3.8.(1) A person who discharges wastewater into a water resource in terms of this authorisation must submit a registration form obtained from the Department for registration of the water use before commencement of the discharge.

(2) On written acknowledgement of receipt of the application form by the Department, the person will be regarded as a registered water user.

(3) The registered user must comply with any regulation promulgated in terms of section 26(1)(c) of the National Water Act.

Record-keeping and disclosure of information

3.9.(1) The registered user must ensure the establishment of monitoring programmes to monitor the quantity and quality of the discharge prior to the commencement of the discharge, as follows-

- (a) the quantity of the discharge must be metered and the total recorded weekly; and
- (b) the quality of domestic wastewater discharges must be monitored monthly by grab sampling as set out in Table 3.3.

TABLE 3.3: Monitoring requirements for domestic wastewater discharges

DISCHARGE VOLUME ON ANY GIVEN DAY	MONITORING REQUIREMENTS
< 10 cubic metres	None
10 to 100 cubic metres	pH Electrical Conductivity (mS/m) Faecal Coliforms (per 100 ml)
100 to 1000 cubic metres	pH Electrical Conductivity (mS/m) Faecal Coliforms (per 100 ml) Chemical Oxygen Demand (mg/l) Ammonia as Nitrogen (mg/l) Suspended Solids (mg/l)
1 000 to 2 000 cubic metres	pH Electrical Conductivity (mS/m) Faecal Coliforms (per 100 ml) Chemical Oxygen Demand (mg/l) Ammonia as Nitrogen (mg/l) Nitrate/Nitrite as Nitrogen (mg/l) Free Chlorine (mg/l) Suspended Solids (mg/l) Ortho-Phosphate as Phosphorous (mg/l)

- (c) the quality of industrial wastewater discharges must be monitored weekly by grab sampling-
 - (i) for all substances which have been added to the water through any industrial activity;
 - (ii) for all substances which have been concentrated in the water through any industrial activity;
 - (iii) for all substances which may be harmful or potentially harmful to human health or to the water resource quality; and
 - (iv) as set out in paragraph 3.9(1)(b) above, if the wastewater contains any domestic wastewater.
- (d) The methods for the measurement of specific substances and parameters in any wastewater must be carried out-
 - (i) by a laboratory that has been accredited under the South African National Accreditation System (SANAS) in terms of SABS Code 0259 for that method; or
 - (ii) as approved in writing by the Minister.

(2) Upon the written request of the Responsible Authority the registered user must-

- (a) ensure the establishment of any additional monitoring programmes; and
- (b) appoint a competent person to assess the water use measurements made in terms of this authorisation and submit the findings to the Responsible Authority for evaluation.

(3) Subject to paragraph 3.10(2) above, the registered user must, for at least five years, keep a written record of the following wastewater discharge and related activities-

- (a) the quantity of wastewater discharged;
- (b) the quality of wastewater discharged;
- (c) details of the monitoring programme/s;
- (d) details of failures and malfunctions in the discharge system and details of measures taken, and

such information must be made available upon written request to the Responsible Authority.

(4) Any information on the occurrence of any incident that has or is likely to have a detrimental impact on the water resource quality must be reported to the Responsible Authority.

Precautionary practices

3.10.(1) The registered user must follow acceptable construction, maintenance and operational practices to ensure the consistent, effective and safe performance of the discharge.

(2) All reasonable measures must be taken to provide for mechanical, electrical, operational, or process failures and malfunctions of the discharge system.

Inspections

3.11. Any property or land in respect of which a water use has been authorised in terms of this notice must be made available for inspection by an authorised person in terms of section 125 of the National Water Act.

Offences

3.12. Any person who contravenes any provision of this authorisation is guilty of an offence and is subject to the penalty set out in section 151(2) of the National Water Act.

TABLE 3.4: Listed Water Resources

WATER RESOURCE	
1	Hout Bay River to tidal water
2	Eerste River to tidal water
3	Lourens River to tidal water
4	Steenbras River to tidal water
5	Berg and Dwars Rivers to their confluence
6	Little Berg River to Vogelvllei weir
7	Sonderend, Du Toits and Elandskloof Rivers upstream and inclusive of Thee Waterskloof Dam
8	Witte River to confluence with Breede River
9	Dwars River to Ceres divisional boundary
10	Olifants River to the Ceres divisional boundary
11	Helsloot and Smalblaar (or Molenaars) Rivers to their confluence with Breede River
12	Hex River to its confluence with Breede River
13	Van Stadens River to tidal water
14	Buffalo River from its source to where it enters the King Williams Town municipal area
15	Klipplaat River from its source to Waterdown Dam
16	Swart Kei River to its confluence with the Klipplaat River
17	Great Brak River
18	Bongola River to Bongola Dam
19	Kubusi River to the Stutterheim municipal boundary
20	Langkloof River from its source to Barkly East municipal boundary
21	Kraai River to its confluence with the Langkloof River
22	Little Tsomo River
23	Xuka River to the Elliot district boundary
24	Tsitsa and Inxu Rivers to their confluence
25	Mvenyane and Mzimvubu Rivers from sources to their confluence
26	Mzintlaba River to its confluence with the Mvalweni River
27	Ingwangwana River to its confluence with Umzimkulu River
28	Umzimkulu and Polela Rivers to their confluence
29	Elands River to the Pietermaritzburg-Bulwer main road
30	Umtamvuma and Weza Rivers to their confluence
31	Umkomaas and Isinga Rivers to their confluence
32	Lurane River to its confluence with the Umkomaas River
33	Sitnundjwana Spruit to its confluence with the Umkomaas River
34	Inudwini River to the Polela district boundary
35	Inkonza River to the bridge on the Donnybrook-Creighton road
36	Umlaas to the bridge on District Road 334 on the farm Maybole
37	Umgeni and Lions River to their confluence
38	Mooi River to the road bridge at Rosetta
39	Little Mooi and Hlatikula Rivers to their confluence
40	Bushmans River to Wagendrift Dam
41	Little Tugela River and Sterkspruit to their confluence
42	M'Lambonjwa and Mhlawazeni Rivers to their confluence
43	Mnweni and Sandhswana Rivers to their confluence
44	Tugela River to its confluence with the Kombe Spruit
45	Inyamvubu (or Mnyamvubu) River to Craigie Burn Dam
46	Umvoti River to the bridge on the Seven Oaks-Rietvllei road
47	Yarrow River to its confluence with the Karkloof River
48	Incandu and Ncibidwane Rivers to their confluence
49	Ingogo River to its confluence with the Harte River
50	Pivaan River to its confluence with Soetmelkspruit
51	Slang River and the Wakkerstroom to their confluence
52	Elands and Swartkoppie Spruit to their confluence
53	All tributaries of the Komati River between Nooitgedacht Dam and its confluence with and including Zevenfontein Spruit
54	Seekoespruit to its confluence with Buffelspruit
55	Crocodile River and Buffelskloofspruit to their confluence
56	All tributaries of the Steelpoort River down to its confluence with and including the Dwars River
57	Potspruit to its confluence with the Waterval River
58	Dorps River (or Spekboom River) to its confluence with the Marambanspruit
59	Ohrigstad River to the Ohrigstad Dam

WATER RESOURCE																																
60	Klein-Spekboom River to its confluence with the Spekboom River																															
61	Blyde River to the Pilgrim's Rest municipal boundary																															
62	Sabie River to the Sabie municipal boundary .																															
63	Nels River to the Pilgrim's Rest district boundary																															
64	Houtbosloop River to the Lydenburg district boundary																															
65	Blinkwaterspruit to Longmere Dam																															
66	Assegai River upstream and inclusive of the Heyshope Dam																															
67	Komati River upstream and inclusive of the Nootgedacht Dam and the Vygeboom Dam																															
68	Ngwempisi River upstream and inclusive of Jericho Dam and Morgenstond Dam																															
69	Slang River upstream and inclusive of Zaaiohoek Dam																															
70	All streams flowing into the Olifants River upstream and inclusive of Loskop Dam, Witbank Dam and Middelburg Dam																															
71	All streams flowing into Ebenezer Dam on the Great Letaba River																															
72	Dokolewa River to its confluence with the Politzi River																															
73	Ramadiepa River to the Merensky Dam on the farm Westfalia 223, Letaba																															
74	Pienaars River and tributaries as far as Klipvoor Dam																															
	RAMSAR LISTED WETLANDS:	<table><tr><th>PROVINCE</th><th>LOCATION</th></tr><tr><td>North-West</td><td>26°33' S 25°37' E</td></tr><tr><td>Gauteng</td><td>26°17' S 28°30' E</td></tr><tr><td>Western Cape</td><td>34°27' S 20°20' E</td></tr><tr><td>Western Cape</td><td>34°43' S 20°07' E</td></tr><tr><td>Kwazulu-Natal</td><td>27°01' S 32°48' E</td></tr><tr><td>Kwazulu-Natal</td><td>27°20' S 32°38' E</td></tr><tr><td>Western Cape</td><td>33°06' S 18°01' E</td></tr><tr><td>Northern Cape</td><td>28°40' S 16°30' E</td></tr><tr><td>Kwazulu-Natal</td><td>28°00' S 32°28' E</td></tr><tr><td>Free State</td><td>27°34' S 29°35' E</td></tr><tr><td>Western Cape</td><td>32°24' S 18°26' E</td></tr><tr><td>Mpumalanga</td><td>25°14' S 30°4' E</td></tr><tr><td>Northern</td><td>24°39' S 28°42' E</td></tr><tr><td>Western Cape</td><td>33°59' S 22°39' E</td></tr></table>	PROVINCE	LOCATION	North-West	26°33' S 25°37' E	Gauteng	26°17' S 28°30' E	Western Cape	34°27' S 20°20' E	Western Cape	34°43' S 20°07' E	Kwazulu-Natal	27°01' S 32°48' E	Kwazulu-Natal	27°20' S 32°38' E	Western Cape	33°06' S 18°01' E	Northern Cape	28°40' S 16°30' E	Kwazulu-Natal	28°00' S 32°28' E	Free State	27°34' S 29°35' E	Western Cape	32°24' S 18°26' E	Mpumalanga	25°14' S 30°4' E	Northern	24°39' S 28°42' E	Western Cape	33°59' S 22°39' E
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77	De Hoop Vlei	Western Cape	34°27' S 20°20' E																													
78	De Mond (Heuningnes Estuary)	Western Cape	34°43' S 20°07' E																													
79	Kosi Bay	Kwazulu-Natal	27°01' S 32°48' E																													
80	Lake Sibaya	Kwazulu-Natal	27°20' S 32°38' E																													
81	Langebaan	Western Cape	33°06' S 18°01' E																													
82	Orange River Mouth	Northern Cape	28°40' S 16°30' E																													
83	St Lucia System	Kwazulu-Natal	28°00' S 32°28' E																													
84	Seekoeivlei Nature Reserve	Free State	27°34' S 29°35' E																													
85	Verlorenvlei	Western Cape	32°24' S 18°26' E																													
86	Verloren Valei	Mpumalanga	25°14' S 30°4' E																													
87	Nylsvlei	Northern	24°39' S 28°42' E																													
88	Wilderness Lakes	Western Cape	33°59' S 22°39' E																													

4 DISPOSING OF WASTE IN A MANNER WHICH MAY DETRIMENTALLY IMPACT ON A WATER RESOURCE

[Section 21(g)]

Purpose of this authorisation

4.1. The authorisation permitted in terms of this Schedule replaces the need for a water user to apply for a licence in terms of the National Water Act for the disposal of waste, provided that the disposal is within the limits and conditions set out in this authorisation.

Exclusion

4.2. This authorisation does not apply to a person who is not the lawful occupier of the land on which the disposal takes place.

Compliance with National Water Act and other laws

4.3.(1) This authorisation does not-

- (a) replace any existing authorisation that is recognised under the National Water Act;
- (b) exempt a person from compliance with section 7(2) of the Water Services Act, 1997 (Act No. 108 of 1997);

- (c) exempt a person from compliance with the provisions of the National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977) for construction, operation and maintenance of any structure used for the collection, treatment or disposal of waste; or
- (d) exempt a person who uses water from compliance with any other provision of the National Water Act unless stated otherwise in this notice, or any other applicable law, regulation, ordinance or by-law.

(2) A person who uses water in terms of this authorisation is exempt from compliance with section 22(2)(e) of the National Water Act.

Area of applicability

4.4 This authorisation is applicable throughout the Republic of South Africa, except for any subterranean government water control area as defined in the Water Act, 1956 (Act No. 54 of 1956), prior to its repeal and set out in Table 4.1.

Duration of authorisation

4.5. This authorisation will be applicable for a period of five years from the date of publication of this notice, unless-

- (a) it is amended at any review period, which period shall be at intervals of two years from the date of publication of this notice;
- (b) the period is extended by a further notice in the *Gazette*; or
- (c) the water user is required to apply for a licence in terms of the National Water Act.

Definitions

4.6. In this authorisation, unless the context otherwise indicates, any expression to which a meaning has been assigned in terms of the National Water Act shall have that meaning, and-

- (i) **"biodegradable industrial wastewater"** means wastewater that contains predominantly organic waste arising from industrial activities and premises, including-
 - (a) milk processing;
 - (b) manufacture of fruit and vegetable products;
 - (c) sugar mills;
 - (d) manufacture and bottling of soft drinks;
 - (e) water bottling;
 - (f) production of alcohol and alcoholic beverages in breweries, wineries or malt houses;
 - (g) manufacture of animal feed from plant or animal products;
 - (h) manufacture of gelatine and glue from hides, skin and bones;
 - (i) abattoirs;
 - (j) fish processing; and
 - (k) feedlots;
- (ii) **"category A mine"** means-
 - (a) any gold or coal mine;
 - (b) any mine with an extractive metallurgical process, including heap leaching; or
 - (c) any mine where sulphate producing or acid generating material occurs in the mineral deposit;
- (iii) **"complex industrial wastewater"** means wastewater arising from industrial activities and premises, that contains-
 - a) a complex mixture of substances that are difficult or impractical to chemically characterise and quantify; or
 - b) one or more substances, for which a wastewater limit value has not been specified, and which may be harmful or potentially harmful to human health, or to the water resource-

- (identification of complex industrial wastewater will be provided by the Department upon written request);
- (iv) **"domestic wastewater"** means wastewater arising from domestic and commercial activities and premises, and may contain sewage;
 - (v) **"evaporation pond"** means a dam designed to collect and dispose of wastewater through evaporation, from which any concentrated waste or sludge must be removed and disposed of according to the requirements of any relevant laws and regulations;
 - (vi) **"grey water"** refers to wastewater generated through domestic activities and premises, including washing, bathing and food preparation, but does not contain sewage;
 - (vii) **"monitoring programme"** means a programme for taking regular measurements of the quantity and/or quality of a water resource, waste or wastewater discharge at specified intervals and at specific locations to determine the chemical, physical and biological nature of the water resource, waste or wastewater discharge;
 - (viii) **"organic waste"** means waste of non-anthropogenic origin that is readily biodegradable in the environment and does not contain any substances that may accumulate in the environment;
 - (ix) **"on-site disposal"** refers to the disposal of wastewater on individual properties not permanently linked to a central waste collection, treatment and disposal system, such as septic tank systems, conservancy tank systems, soakaway systems, French Drains and pit latrines;
 - (x) **"primary treatment"** means the treatment of wastewater by a physical process, which may involve maceration, sedimentation, screening and grit removal;
 - (xi) **"secondary treatment"** means the treatment of wastewater by a biological process, through solar energy, bacteria, algae and a variety of aquatic biota, to remove organic matter;
 - (xii) **"wastewater"** means water containing waste, or water that has been in contact with waste material;
 - (xiii) **"wastewater pond system"** means a dam or system of dams designed to collect wastewater and to conduct primary and secondary treatment, from which treated wastewater is disposed of.

Storage of domestic and/or biodegradable industrial wastewater for the purpose of re-use

4.7. A person who-

- (i) owns or lawfully occupies property registered in the Deeds Office as at the date of this notice; or
- (ii) lawfully occupies or uses land that is not registered or surveyed,

outside of the areas set out in Table 4.1, may on that property or land store up to 5 000 cubic metres of domestic and/or biodegradable industrial wastewater for the purpose of re-use.

Storage of domestic and/or biodegradable industrial wastewater for the purpose of disposal

4.8. A person who-

- (i) owns or lawfully occupies property registered in the Deeds Office as at the date of this notice; or
- (ii) lawfully occupies or uses land that is not registered or surveyed,

outside of the areas set out in Table 4.1, may on that property or land store domestic and/or biodegradable industrial wastewater for the purpose of disposal of-

- (a) up to 10 000 cubic metres per property or land; or
- (b) up to 50 000 cubic metres in a wastewater pond system per property or land.

Disposal of domestic and/or biodegradable industrial wastewater

4.9. A person who-

- (i) owns or lawfully occupies property registered in the Deeds Office as at the date of this notice; or
- (ii) lawfully occupies or uses land that is not registered or surveyed,

outside of the areas set out in Table 4.1, may on that property or land dispose of wastewater as follows-

- (a) up to 1 000 cubic metres of domestic and/or biodegradable industrial wastewater, on any given day-
 - (i) into a wastewater pond system; or
 - (ii) into an evaporation pond system;
- (b) domestic wastewater or biodegradable wastewater into a wastewater irrigation system as set out under General Authorisation 2;
- (c) wastewater to an on-site disposal facility for-
 - (i) grey water generated by a single household;
 - (ii) up to one cubic metre of biodegradable industrial wastewater on any given day; and
 - (iii) domestic wastewater to a communal septic tank serving no more than 50 households;
- (d) domestic wastewater generated by a single household not permanently linked to a central waste collection, treatment and disposal system, to an on-site disposal facility; and
- (e) stormwater runoff from any premises not containing waste or wastewater from industrial activities and premises.

Disposal of mine waste or residue

4.10. A person may dispose of mine residue into mine residue deposits provided-

- (a) the mine residue is not from a Category A mine;
- (b) the disposal is in accordance with Government Notice No. 704, dated 4 June 1999; and
- (c) the disposal is in accordance with SABS Code 0286.

Registration of wastewater storage

4.11.(1) A person who stores wastewater in terms of this authorisation must submit a registration form obtainable from the Department, for registration of the water use before commencement of storage if more than 1 000 cubic metres are stored for disposal or if more than 500 cubic metres are stored for re-use.

(2) On written acknowledgement of receipt of the application form by the Department, the person will be regarded as a registered water user.

(3) The registered user must comply with any regulation promulgated in terms of section 26(1)(c) of the National Water Act.

Registration of wastewater disposal

4.12.(1) A person who disposes of wastewater in terms of this authorisation must submit a registration form obtained from the Department, for registration of the water use before the commencement of the disposal if more than 50 cubic metres of domestic wastewater or biodegradable industrial wastewater is disposed of on any given day.

(2) The responsible local authority must submit a registration form obtained from the Department, to register the water use for disposal of domestic wastewater in-

- (a) areas where more than 5 000 households are served by on-site disposal sites;
- (b) areas where the density of on-site disposal sites exceeds 10 per hectare; or
- (c) areas served by communal septic tanks.

(3) On written acknowledgement of receipt of the application form by the Department, the person will be regarded as a registered water user.

(4) The registered user must comply with any regulation promulgated in terms of section 26(1)(c) of the National Water Act.

Location of wastewater storage dams and wastewater disposal sites

4.13. Wastewater storage dams and wastewater disposal sites must be located-

- (a) outside of a watercourse;
- (b) above the 100 year flood line, or alternatively, more than 100 metres from the edge of a water resource or a borehole which is utilised for drinking water or stock watering; and
- (c) on land that is not, or does not overlie, a Major Aquifer (identification of a Major Aquifer will be provided by the Department upon written request).

Record-keeping and disclosure of information

4.14.(1) The registered user, with the exception of a local authority, must ensure the establishment of monitoring programmes to monitor the quantity and quality of the wastewater prior to storage or disposal, as follows-

- (a) for the storage of wastewater, the quantity must be recorded monthly; or
- (b) for the disposal of wastewater, the quantity must be gauged or metered and recorded monthly.

(2) Upon the written request of the Responsible Authority, the registered user with the exception of a local authority, must-

- (a) ensure the establishment of any additional monitoring programmes; and
- (b) appoint a competent person to assess the water use measurements made in terms of this authorisation, and to submit the findings to the Responsible Authority for evaluation.

(3) Subject to paragraph 4.14(2) above, the registered user with the exception of a local authority must, for at least five years, keep a written record of the following wastewater storage or wastewater disposal and related activities-

- (a) the location of the storage dam or wastewater disposal site;
- (b) the quantity of wastewater stored or disposed of or re-used;
- (c) the quality of wastewater stored or disposed of, where applicable;
- (d) details of the monitoring programme;
- (e) details of failures and malfunctions of any wastewater disposal system or wastewater storage dam that the registered user is responsible for, and

such information must be made available upon written request to the Responsible Authority.

(4) Any information on the occurrence of any incident that has or is likely to have a detrimental impact on the water resource quality must be reported to the Responsible Authority.

Precautionary practices

4.15.(1) The registered user must follow acceptable construction, maintenance and operational practices to ensure the consistent, effective and safe performance of any wastewater disposal system or wastewater storage dam.

(2) All reasonable measures must be taken to prevent wastewater overflowing from any wastewater disposal system or wastewater storage dam.

(3) All reasonable measures must be taken to provide for mechanical, electrical or operational failures and malfunctions of any wastewater disposal system or wastewater storage dam.

(4) Sewage sludge must be removed from any wastewater and the resulting sludge disposed of according to the requirements of any relevant law and regulation, including-

(a) "Permissible utilisation and disposal of sewage sludge" Edition 1, 1997. Water Research Commission Report No TT 85/97; and

(b) "Guide: Permissible utilisation and disposal of treated sewage effluent", 1978. Department of National Health and Population Development Report No. 11/2/5/3 (obtainable from the Department upon written request).

Inspections

4.16. Any property or land in respect of which a water use has been authorised in terms of this notice must be made available for inspection by an authorised person in terms of section 125 of the National Water Act.

Offences

4.17. Any person who contravenes any provision of this authorisation is guilty of an offence and is subject to the penalty set out in section 151(2) of the National Water Act.

NOTE: Information regarding the drainage regions referred to in Table 4.1 can be obtained from the Department, upon written request.

TABLE 4.1 Subterranean government water control areas excluded from General Authorisation for disposal of waste

Primary drainage region	Tertiary/ Quaternary drainage region	Description of subterranean government water control area	Government Notice No.	Government Gazette Date
H	H30	Baden	136	1967-06-16
A	A30	Bo-Molopo	1324	1963-08-30
C	C30	Bo-Molopo	1993	1965-12-17
D	D41	Bo-Molopo	R634	1966-04-29
A	A24	Crocodile River Valley	208	1981-10-23
A	A21	Crocodile River Valley	18	1983-02-18
A	A21, A22	Kroondal-Marikana	180	1963-06-17
G	G10, G30	Lower Berg River Valley/Saldanha	185	1976-09-10
A,B	A60, B50, B31	Nyl River Valley	56	1971-03-26
G	G30	Strandfontein	2463	1988-12-09
M	M10, M20, M30	Uitenhage	260	1957-08-23
G	G30	Wadrif	992	1990-05-11
G	G20	Yzerfontein	27	1990-02-09
G	G30	Graafwater	1423	1990-06-29
A	A70	Dendron-Vivo	813	1994-04-29
A	A60	Dorpsrivier	312	1990-02-16
C	C24	Ventersdorp	777	1995-06-02

No. 1191

8 Oktober 1999

**ALGEMENE MAGTIGINGS INGEVOLGE ARTIKEL 39 VAN DIE NASIONALE WATERWET, 1998
(WET NO. 36 VAN 1998)**

Ek, ARTHUR MICHAEL MULLER, in my hoedanigheid van Direkteur-generaal van die Departement van Waterwese en Bosbou, en behoorlik gemagtig ingevolge artikel 63 van die Nasionale Waterwet, 1998 (Wet No. 36 van 1998), magtig hierby alle of 'n kategorie van persone om water te gebruik ingevolge artikel 39(1) van die Nasionale Waterwet, saamgelees met artikel 21, ten opsigte van die Algemene Magtigings vervat in die Bylae hiervan.

DIREKTEUR-GENERAAL: WATERWESE EN BOSBOU**BYLAE****1. DIE NEEM VAN WATER VANUIT 'N WATERHULPBRON EN DIE OPGAAR VAN WATER
[Artikel 21(a) en (b)]****Doel van hierdie magtiging**

1.1. Die magtiging wat ingevolge hierdie Bylae toegelaat word, vervang die nodigheid vir 'n watergebruiker om ingevolge die Nasionale Waterwet aansoek te doen om 'n lisensie vir die onttrekking of opgaar van water vanuit 'n waterhulpbron, mits die onttrekking of opgaring binne die perke en voorwaardes uiteengesit in hierdie magtiging is.

Uitsluiting

1.2. Hierdie magtiging is nie van toepassing —

- (a) ten opsigte van enige bepaling betreffende onttrekking en opgaring ten opsigte van 'n Staatswaterbeheergebied, 'n Staatswaterwerk, 'n opvangbeheergebied of 'n besproeiingsdistrik soos omskryf in die Waterwet, 1956 voor die herroeping daarvan;
- (b) op iemand wat wettige toegang tot 'n waterwerk of waterhulpbron het nie; en
- (c) op vleie, die ontwatering van myne of ondergrondse opgaring van water.

Voldoening aan die Nasionale Waterwet en ander wette

1.3.(1) Hierdie magtiging -

- (a) is nie van toepassing op enige watergebruik kragtens Bylae 1 van die Nasionale Waterwet nie;
- (b) vervang nie enige bestaande magtiging wat kragtens die Nasionale Waterwet erken word nie; of
- (c) stel nie iemand vry nie, wat water gebruik van voldoening aan enige bepaling van die Nasionale Waterwet, enige ander toepaslike wet, regulasie, ordonnansie of verordening nie, tensy anders vermeld in hierdie kennisgewing.

(2) In die geval van die onttrekking van water vir industriële doeleindes, moet daar voldoen word aan die bepalings van artikel 7 van die Wet op Waterdienste, 1997 (Wet No. 108 van 1997).

(3) Iemand wat water ingevolge hierdie magtiging gebruik, word van voldoening aan artikel 22(2)(e) van die Nasionale Waterwet vrygestel.

Toepassingsgebied

1.4. Hierdie magtiging is van toepassing oral in die Republiek van Suid-Afrika, uitgesonderd soos uitgesluit in paragraaf 1.2.(a) hierbo en die gebiede uiteengesit in —

- (a) Tabel 1.1 vir die onttrekking van oppervlakwater; en
- (b) Tabel 1.2 vir die onttrekking van grondwater.

Duur van magtiging

1.5. Hierdie magtiging is geldig vir 'n tydperk van vyf jaar vanaf die datum van publikasie van hierdie kennisgewing, tensy —

- (a) dit op enige hersieningsdatum gewysig word, welke hersieningsdatum met tussenposes van twee jaar vanaf die datum van publikasie van hierdie kennisgewing sal wees;
- (b) die tydperk by verdere kennisgewing in die *Staatskoerant* verleng word; of
- (c) daar van die watergebruiker vereis word om aansoek te doen om 'n lisensie ingevolge die Nasionale Waterwet.

Woordomskrywing

1.6. In hierdie magtiging het enige woord of uitdrukking waaraan daar 'n betekenis ingevolge die Nasionale Waterwet toegeken is, daardie betekenis en, tensy uit die samehang anders blyk, beteken —

- (i) "**onttrekking**" die neem van water vanuit 'n waterhulpbron;
- (ii) "**moniteringsprogram**" 'n program vir die gereelde neem van metings van die hoeveelheid en/of gehalte van 'n waterhulpbron, afval of afvalwaterstorting, met gespesifiseerde tussenposes, en op spesifieke plekke, vir die bepaling van die chemiese, fisiese en biologiese aard van die waterhulpbron, afval of afvalwaterstorting;
- (iii) "**opgaring**" die opgaar van water wat nie afval bevat nie, in 'n waterloop of in buitekanaalopgaring.

Onttrekking en opgaring

1.7. Iemand wat —

- (i) eiendom besit of wettiglik okkupier wat in die Aktekantoor geregistreer is op die datum van hierdie kennisgewing; of
- (ii) grond wettiglik okkupier gebruik wat nie geregistreer of opgemeet is nie,

buite die gebiede soos uitgesluit in paragraaf 1.2 (a) hierbo en soos uiteengesit in Tabel 1.1 en Tabel 1.2, mag op daardie eiendom of grond —

- (a) grondwater onttrek soos uiteengesit in Tabel 1.3;
- (b) oppervlakwater teen 'n tempo van tot 25 liter per sekonde onttrek —

- (i) vir die besproeiing van tot 25 hektaar grond, teen 6 000 kubieke meter per hektaar per jaar;
of
- (ii) vir ander doeleindes as besproeiing, tot en met 100 kubieke meter op enige gegewe dag; en
- (c) tot en met 50 000 kubieke meter water opgaar.

Registrasie van watergebruik

1.8.(1) Iemand wat water ingevolge hierdie magtiging gebruik, moet 'n registrasievorm indien wat van die Departement verkry is vir die registrasie van watergebruik voordat begin word om —

- (a) meer as 50 kubieke meter oppervlakwater of 10 kubieke meter grondwater op enige gegewe dag te onttrek; of
- (b) meer as 10 000 kubieke meter water op te gaar.

(2) By skriftelike erkenning van ontvangs van die aansoek deur die Departement sal die persoon beskou word as 'n geregistreerde watergebruiker.

(3) Die geregistreerde gebruiker moet voeldoen aan enige regulasie wat gepromulgeer is ingevolge artikel 26(1)(c) van die Nasionale Waterwet.

Voorkomende praktyke

1.9.(1) Die geregistreerde gebruiker moet verseker dat 'n dam aan die vereistes van Hoofstuk 12 van die Nasionale Waterwet voldoen.

(2) Die geregistreerde gebruiker moet aanvaarbare konstruksie-, instandhoudings- en bedryfspraktyke volg om die konsekwente, doeltreffende en veilige uitvoering van die onttrekking en opgarig van water te verseker.

(3) Waar water in 'n waterloop opgegaar word, moet die geregistreerde gebruiker redelike maatreëls tref om te verseker dat die beweging van waterspesies nie verhinder word nie, met inbegrip van daardie spesies wat gewoonlik deur die waterloop migreer.

Rekordhouding en bekendmaking van inligting

1.10.(1) Die geregistreerde gebruiker moet die instelling verseker van moniteringsprogramme om die hoeveelheid water te meet wat onttrek en/of opgegaar word, soos volg-

- (a) die hoeveelheid grondwater of oppervlakwater wat onttrek word, moet gemeet word en die totaal soos op die laaste dag van elke maand aangeteken word;
- (b) in die geval van besproeiing en waar geen meter of maat gebruik word nie, kan die hoeveelheid water wat onttrek word, bereken word volgens metodes voorgeskryf deur die Verantwoordelike Gesag; en
- (c) die hoeveelheid water wat opgegaar word, moet aangeteken word soos op die laaste dag van elke maand.

(2) Op skriftelik versoek van die Verantwoordelike Gesag, moet die geregistreerde gebruiker-

- (a) die instelling van enige bykomende moniteringsprogramme verseker; en
- (b) 'n bevoegde persoon aanstel om die watergebruikmetings te evalueer wat ingevolge hierdie magtiging gedoen word, en om die bevindings aan die Verantwoordelike Gesag vir evaluering voor te lê.

(3) Behoudens paragraaf 1.10.(2) hierbo moet die geregistreerde gebruiker vir minstens vyf jaar 'n skriftelike rekord hou van alle onttrekking en opgaring van oppervlak- of grondwater, welke inligting op skriftelike versoek aan die Verantwoordelike Gesag beskikbaar gestel moet word.

Inspeksies

1.11. Enige eiendom of grond ten opsigte waarvan 'n watergebruik ingevolge hierdie kennisgewing gemagtig is, moet beskikbaar gestel word vir inspeksie deur 'n persoon gemagtig ingevolge artikel 125 van die Nasionale Waterwet.

Misdrywe

1.12. Enigiemand wat enige bepaling van hierdie magtiging oortree, is skuldig aan 'n misdryf en is onderworpe aan 'n straf uiteengesit in artikel 151(2) van die Nasionale Waterwet.

NOTA: Inligting ten opsigte van dreineringsgebiede verwys na in Tabelle 1.1, 1.2 en 1.3 kan van die Departement op skriftelike versoek verkry word.

TABEL 1.1 Gebiede uitgesluit van Algemene Magtiging vir onttrekking van oppervlakwater

Primêre dreineringsgebied	Sekondêre/Tersiêre/kwatêre dreineringsgebied en uitgeslote hulpbronne	Beskrywing vir inligtingsdoeleindes van hoofrivier in die dreineringsgebied
A	Alle opvanggebiede	Limpoporivier
B	Alle opvanggebiede	Olifantsrivier
C	C10, C20, C40, C50, C60, C70, C80, C90	Vaalrivier
D	Oranjerivier, stroomaf van die Gariëpdam	
	D13	Kraairivier
E	Olifantsrivier	
	E10A tot K	Olifantsrivier stroomop die samevloeiing met die Doringrivier
	E21	Grootrivier
G	G10	Bergrivier
	G21	Diepriver
	G22	Eersterivier
	G30	Verlorevleirivier
	G40A tot E	Botrivier
	G40L & M	Kleinrivier, Uilkraalsrivier
H	H20A, B, D, E, F, G & H	Hexrivier
	H30	Kingnarivier
	H40	Breederivier stroomaf van die Brandvleidam tot by die samevloeiing met die Kingnarivier
	H60A, B & C	Sytakke van die Sonderendrivier stroomop van die Theewaterskloofdam
	H80A tot E	Duivenhokrivier
J	J12	Touwsrivier
	J25	Gamkarivier
	J31 tot 35	Olifantsrivier
	J40C	Langtou- en Weyersrivier
K	K10	Klein-Brakrivier
	K20	Groot-Brakrivier
	K40C	Karatarivier
	K50	Knysnarivier
	K60	Keurboomsrivier
	K70B	Bloukransrivier
	K80A tot F	Lottering-, Storms-, Sandrif-, Groot-, Tsitsikamma, en Klippedrifrivier
	K90A tot G	Kromme-, Seekoei- en Kabeljousrivier
L	L81	Baviaanskloofrivier
	L82	Kougarivier
	L90	Laer-Gamtoosrivier

Primêre dreineringsgebied	Sekondêre/Tersiêre/kwaternêre dreineringsgebied en uitgeslote hulpbronne	Beskrywing vir inligtingsdoeleindes van hoofrivier in die dreineringsgebied
M	M10 M20 M30	Swartkopsrivier Maitlandrivier Van Stadensrivier
N	Sondagsrivier stroomaf van die Darlingtandam Skoenmakersrivier stroomaf dir Skoenmakerscanal Uitlaat N11, N12 N12A, B & C	Sondagsrivier stroomop die Vanryneveldspasdam Gatsrivier
P	P10 P30 P40	Bushmansrivier Kowierivier Kariegarivier
Q	Groot-Visrivier, Klein-Visrivier Q41A, Q41B, Q41C, Q41D, Q44A, Q44B Q42A & B Q43A & B Q44A & B	Tarkarivier Elandsrivier Vlekpoortrivier Meer Authur
R	R20 R30A, B, C & D R30E & F	Buffelsrivier Kwenxura-, Kwelera- en Gonubieriviere Nahoonrivier
S	S10 A to E S20A to C S32A to C S32D & E S32F S40A, B & C S50A, B & C S60A & B S60C & D S70C	Witkeirivier stroomop van die Xonxadam Indwerivier stroomop van die Lubisidam Swartkeirivier stroomop met die samevloeiing van die Klipplaatrivier Klipplaatrivier stroomop van die Waterdowndam Oskraalrivier stroomop van die Oskraaldam Thorn- en Thomasrivier Tsomo-, Kwa-Qokwama- en Mbokotwariviere Kubusirivier stroomop van die Wriggleswadedam Toiserivier Xilinxarivier stroomop van die Xilinxadam
T	T11A & B T20A & B T35A, B, C, D, F & G	Slang- en Xukariviere Mtatarivier stroomop van die Mtatadam Tsitsa-, Pot-, Mooi-, Inxu-, Wildebees- en Gatbergiviere
U	U20 & U40	Mgenirivier, Mvotirivier
V	V11 V20 V60 V70	Bo-Thukelarivier Mooirivier Sondagsrivier Bushmanrivier
W	W12 W21A W30	Mhlatuzerivier Wit-Mfolozirivier stroomop van die Klipfonteindam Hluhluwe- en Mkuzirivier
X	Alle opvangebiede	Nkomatirivier

TABEL 1.2 Ondergrondse Staatswaterbeheergebiede uitgesluit van Algemene Magtiging vir onttrekking van grondwater

Primêre dreineringsgebied	Tersiêre/kwaternêre dreineringsgebied	Beskrywing van ondergrondse staatswater-beheergebied	Goewermements-kennisgewing No.	Datum van Staatskoerant
H	H30	Baden	136	1967-06-16
A	A30	Bo-Molopo	1324	1963-08-30
C	C30	Bo-Molopo	1993	1965-12-17
D	D41	Bo-Molopo	R. 634	1966-04-29
A	A24	Krokodilriviervallei	208	1981-10-23
A	A21	Krokodilriviervallei	18	1983-02-18
A	A21, A22	Kroondal-Marikana	180	1963-06-17
G	G10, G30	Laer-Bergriviervallei/ Saldanha	185	1976-09-10
A, B	A60, B50, B31	Nylriviervallei	56	1971-03-26
G	G30	Strandfontein	2463	1988-12-09

Primêre dreineringsgebied	Tersiere/kwatêrnere dreineringsgebied	Beskrywing van ondergrondse staatswater-beheergebied	Goewermements-kennisgewing No.	Datum van Staatskoerant
M	M10, M20, M30	Uitenhage	260	1957-08-23
G	G30	Wadif	992	1990-05-11
G	G20	Yzerfontein	27	1990-02-09
G	G30	Graafwater	1423	1990-06-29
A	A70	Dendron-Vivo	813	1994-04-29
A	A60	Dorpsrivier	312	1990-02-16
C	C24	Ventersdorp	777	1995-06-02

TABEL 1.3 Grondwateronttrekkingsones: Tersiere en Kwatêrnere dreineringsgebied

SONE A Geen water mag van hierdie dreineringsgebied onttrek word nie behalwe soos uiteengesit in Bylae 1 van die Nasionale Waterwet	SONE B 60 m ³ per hektaar per jaar mag onttrek word van hierdie dreineringsgebiede	SONE C 300 m ³ per hektaar per jaar mag onttrek word van hierdie dreineringsgebiede	SONE D 750 m ³ per hektaar per jaar mag onttrek word van hierdie dreineringsgebiede
A10C	A10A,B	J13 – alle	A21D,L
A24J	A21C,E,F,G,H,J,K	J21A	A22J
A32D,E	A22A,B,C,D,E,F,G,H	J22A,B,C,D,G	A23B,C,F,G,H,J,K,L
A63A	A23A,D,E	J23E	A24A
A71K,L	A24D,E,F,H	J24A,F	A24B,C,G
A80G,J	A31A,B,D,E,F,G,H,J	J31D	A31C
A92D	A32A,B,C	J32E	A61D,E
D41C,E,F,H,K,M	A41A,B,C,D,E	J33A,B,C,D	A91B,C,D,E,F
D42 – alle	A42,A50 – alle	J34B,E,F	B11,B12 – alle
D53D,E,F,G,H,J	A61A,B,C,F,G,H,J	J35B	B20A,D,G,H,J
D57C,D,E	A62 – alle	J40A,C,D,E	B31A,B,C,D,E,F,G,H
D73C,D,E	A63B,C,D,E	K10A	B32A,B,C,G,J
D81A,B,C,D,E,F,G	A71A,B,C,D,E,F,G,H,J	L11 – alle	B51C,H
D82 – alle	A72 – alle	L12B	B60A,B,C,D,H,J
E22D,E	A80A,B,C,D,E,F,H	L21,L22,L23	B71A,C,F,G,H
E23C,D,F,G,H,J,K	A91A,G,H,J,K	L30,L40,L50,L60	B72A,B,C,D,E,F,G,H
E24D,G,H	A92A,B,C	L70A,B,C,D,E,F	B73A
E31 – alle	B20B,C,E,F	M10C,D	B81A,B,C,D
E33A,B,D,E,H	B31J	M30 – alle	B82A,B,C,D,E,F
F10A,B,C	B32D,E,F,H	N11,N12,N13,N14,N21,N22	C11A,B,C,D,E,F,G,H,J,K
F20A,B,C,D,E	B41,B42 – alle	N23A,B	C12A,D,E,F,G,H,K,L
F30B,E,F,G	B51A,B,E,F,G	N24 – alle	C13C,E,F,G,H
F40 – alle	B52 – alle	N30,N40 – alle	C21A,B,C,D,E,G
F50D,F,G	B60E,F,G	P10,P30,P40 – alle	C22C,E,F,K
F60A,B,C,D	B71B,D,E,J	Q11,Q12,Q13,Q14,Q21,Q22,Q30 – alle	C23B,C,D,E,F,G,H
J11G,J	B72J,K	Q41C,D	C24 – alle
J21B,C,D,E	B73B,C,D,E,F,G,H,J	Q42,Q43,Q44 – alle	C25A,D
J22E,F,H,J,K	B81E,F,G,H,J	Q50,Q60,Q70,Q80 – alle	C31A,B,C,D,E
J23A,B,C,D,F,G,H	B82G,H,J	Q91 – alle	C32D
J24B,C,D,E	B83,B90 – alle	Q92C,E,F,G	C33 – alle
J32A,B,C,D	C11L,M	Q93B,C,D	C41A,B,D,E
L12A,C,D	C12B,C,J	R50B	C42A,B,C,D,E,F,G,H,J,K
	C13A,B,D	S10A,B,C,D	C60A,B,C,D,E,F
	C21F	S20A,B	C70A,B,J
	C22A,G,H,J	S31A,B,C	C81 – alle
	C23A,J,K,L	S50A,B,C,D	C82A,B,C,D,E,F,G
	C24B	T11A,B,D,E	C83A,B,C,D,E,F,G,H,J,K,L
	C25B,C,E,F	T20D,E,F,G	C92 – alle
			T12,T13 – alle
			T20A,B,C
			T31A,B,C,D,F,G,H
			T33E,F,G
			T34G,H
			T35E,H,J,K
			T40F,G
			T51A,B,D,E,F,G
			T52M
			T70D
			T80,T90
			U10A,B,C,D,M
			U20L,M
			U30A,B,D
			U40D,E,G,H,J
			U50A
			U70E
			U80 – alle
			V11A,B,E,G
			V13A
			V20A,B,C,H
			V31C,D,G,H,J,K
			V32 – alle
			V33A
			V40B,D,E
			V50A,B,D
			V60A,B,C,D,E,F,G,H
			V70A,B,C,D
			W11B,C
			W12B,E
			W13A,B
			W21A,B,D
			W21G,H,J
			W22A
			W31A
			W41A,B,C
			W41D
			W42A,B,C,D,F,M
			U20K
			U30C,E
			U40C,F
			U60C,D,E,F
			U70C,D,F
			V50C

SONE A Geen water mag van hierdie dreineringsgebiede onttrek word nie behalwe soos uiteengesit in Bylae 1 van die Nasionale Waterwet	SONE B 60 m ³ per hektaar per jaar mag onttrek word van hierdie dreineringsgebiede	SONE C 300 m ³ per hektaar per jaar mag onttrek word van hierdie dreineringsgebiede	SONE D 750 m ³ per hektaar per jaar mag onttrek word van hierdie dreineringsgebiede
	C31F	T31J	D13A,B,C,D,E,F,K
	C32A,B,C	T32 – alle	W51A,B,C,D
	C41C,F,G,H,J	T33A,B,C,D,H,J,K	W52A,B,C
	C42L	T34A,B,C,D,E,F,J,K	W53A,B
	C43	T35A,B,C,D,F,G,L,M	W54,W55 – alle
	C51,C52 – alle	T36 – alle	W56A,B
	C60G,H,J	T40A,B,C,D,E	W57J
	C70C,D,E,F,G,H,K	T51C,H,J	X11A,B,C
	C82H	T52A,B,C,D,E,F,G,H,J,K	X11H,J,K
	C83M	T60A,B,C,F,J,K	X12 – alle
	C91,D12 – alle	T70A,B,C,E,F,G	X13A
	D13G,H,J,L,M	U10E,F,G,H,J,K,L	X14A,B,D,E,G,H
	D14 – alle	U20A,B,C,D,E,F,G,H,J	X21H,K
	D15G,H	U40A,B	X22B,C,D,E,F,G,H,J,K
	D18K,L	U60A,B	X23 – alle
	D23A,C,D,E,F,G,H,J	U70A,B	X24A,B,C,D
	D24 – alle	V11C,D,F,H,J,K,L,M	X31A,B,C,D,E,F,G,H,J
	D32,D33,D34,D35 – alle	V12,V14 – alle	X32A,B,C,D,E,F
	D41B,D,J	V13B,C,D,E	
	D51,D52 – alle	V20D,E,F,G,J	H30A,B,D,E
	D53A,B,C	V31A,B,E,F	H40B,C,D,E,F,G,H,J,L
	D54,D55,D56 – alle	V33B,C,D	H50 – alle
	D57A,B	V40A,C	H60D,E,F,G,H,J
	D58,D61,D62,D71,D72 – alle	V60J,K	H70E,F
	D73A,B,F	V70E,F,G	J23J
	E21A,B,C,D,E,F,G,L	W12A,D,G,H	J25 – alle
	E22A,B,C,F,G	W21C,E,F,K,L	J33E,F
	E23A,B,E	W22B,C,D,E,F,G,H,J,K,L	J35A,C,D,E,F
	E24B,C,E,F,J,K	W23A,B	K10B,D,F
	E32	W31B,C,D,E,F,G,H,K	K20A
	E33C,F,G	W32C,D,E,G	K30A,B,C
	E40A,B,C	W41E,F,G	K40D
	F30A,C,D	W42E,G,H,J,K,L	K90D,E,F,G
	F50A,B,C,E	W44	L90 – alle
	F60E	W51E,F	M20B
	G30H	W52D	P20A
	G50D,G,H	W53C,D,E	Q41A,B
	H10A	X11D,E,F,G	Q92A,B,D
	H20A	X13J,K,L	Q93A
	H40A	X21A,B,C,D,E,F,G,J	Q94 – alle
	H60K,L	X22A	R10,R20,R30,R40 – alle
	H70A,B,C,G,H,J,K	X24E,F,G,H	R50A
	H80D	X31K,L,M	S10E,F,G,H,J
	H90D	X32G,H,J	S20C,D
	J11A,B,C,D,E,F,H,K	X33, X40 – alle	S31D,E,F,G
	J12B,C,D,E,F,G,H,J,K,L,M		S32,S40,S60,S70 – alle
			S50E,F,G,H,J
			T11C,F,G,H

2 DEELNAME AAN 'N BEHEERDE BEDRYGWIGHEID WAT AS SODANIG IN ARTIKEL 37 (1) GEÏDENTIFISEER IS: BESPROEING VAN ENIGE GROND MET AFVAL OF WATER WAT AFVAL BEVAT WAT DEUR ENIGE INDUSTRIËLE BEDRYGWIGHEID OF 'N WATERWERK GEGENEREER IS

[Artikel 21(e)]

Doel van hierdie magtiging

2.1. Die magtiging wat ingevolge hierdie Bylae toegelaat word, vervang die nodigheid vir 'n watergebruiker om ingevolge die Nasionale Waterwet om 'n lisensie aansoek te doen, mits die besproeiing binne die perke en voorwaardes uiteengesit in hierdie magtiging is.

Uitsluiting

2.2. Hierdie magtiging is van toepassing op iemand wat die wettige bewoner van die grond is waarop die afvalwaterbesproeiing plaasvind.

Voldoening aan die Nasionale Waterwet en ander wette

2.3.(1) Hierdie magtiging—

- (a) vervang nie enige bestaande magtiging wat kragtens die Nasionale Waterwet erken word nie; of
- (b) stel nie iemand vry nie, wat water gebruik van voldoening aan enige bepaling van die Nasionale Waterwet, enige ander toepaslike wet, regulasie, ordonnansie of verordening nie, tensy anders vermeld in hierdie kennisgewing.

(2) Iemand wat water ingevolge hierdie magtiging gebruik, word van voldoening aan artikel 22(2)(e) van die Nasionale Waterwet vrygestel.

Toepassingsgebied

2.4. Hierdie magtiging is oral in die Republiek van Suid-Afrika van toepassing, uitgesonderd enige ondergrondse Staatswaterbeheergebied soos omskryf in die Waterwet, 1956 (Wet No. 54 van 1956), voor die herroeping daarvan en uiteengesit in Tabel 2.1.

Duur van magtiging

2.5. Hierdie magtiging is geldig vir 'n tydperk van drie jaar vanaf die datum van publikasie van hierdie kennisgewing, tensy —

- (a) dit op enige hersieningsdatum gewysig word, welke hersieningsdatum met tussenposes van twee jaar vanaf die datum van publikasie van hierdie kennisgewing sal wees;
- (b) die tydperk by verdere kennisgewing in die *Staatskoerant* verleng word; of
- (c) daar van die watergebruiker vereis word om aansoek te doen om 'n lisensie ingevolge die Nasionale Waterwet.

Woordomskrywing

2.6. In hierdie magtiging het enige woord of uitdrukking waaraan daar 'n betekenis ingevolge die Nasionale Waterwet toegeken is, daardie betekenis en, tensy uit die samehang anders blyk, beteken—

- (i) **"bioafbreekbare industriële afvalwater"** afvalwater wat oorwegend organiese afval bevat wat afkomstig is van industriële bedrywighede en persele, met inbegrip van —
- (a) melkverwerking;
 - (b) die vervaardiging van vrugte- en groenteprodukte;
 - (c) suikermeule;
 - (d) die vervaardiging en botteling van koeldrank;
 - (e) waterbotteling;
 - (f) die produsering van alkohol en alkoholiese drankies in brouerye, wynkelders of mouthuise;
 - (g) die vervaardiging van dierevoer uit plant- of diereprodukte;
 - (h) die vervaardiging van gelatien en gom uit huide, velle en bene;
 - (i) abattoirs;
 - (j) visverwerking; en
 - (k) voerkrale;
- (ii) **"handelsbedrywigheid"** daardie bedrywighede wat in die Standaardnywerheidsklassifikasie van Alle Ekonomiese Bedrywighede (5de Uitgawe) deur die Sentrale Statistiekdiens, 1993 gepubliseer is, soos gewysig en aangevul, onder die volgende kategorieë—
- a) 6: groot- en kleinhandel,
 - b) 7: vervoer, opberging en kommunikasie,
 - c) 8: besigheidsdienste,
 - d) 9: gemeenskap, sosiale en persoonlike dienste,
 - e) 0: persoonlike en ander dienste;
- (iii) **"huishoudelike afvalwater"** afvalwater wat afkomstig is van huishoudelike en handelsbedrywighede en —persele, en wat riool kan bevat;
- (iv) **"besproeiing"** die toediening van afvalwater vir die doel van gewasproduksie, met inbegrip van die bewerking van weiveld;
- (v) **"moniteringsprogram"** 'n program vir die gereelde neem van metings van die hoeveelheid en/of gehalte van 'n waterhulpbron, afval of afvalwaterstorting, met gespesifiseerde tussenposes, en op spesifieke plekke, vir die bepaling van die chemiese, fisiese en biologiese aard van die waterhulpbron, afval of afvalwaterstorting;
- (vi) **"organiese afval"** afval van nie-antropogeniese oorsprong wat geredelik bioafbreekbaar in die omgewing is en wat nie enige stowwe bevat wat in die omgewing kan akkumuleer nie;
- (vii) **"primêre behandeling"** die behandeling van afvalwater deur middel van 'n fisiese proses, waarby deurweking, afsakking, skerming en grintverwydering betrokke kan wees;
- (viii) **"sekondêre behandeling"** die behandeling van afvalwater deur middel van 'n biologiese proses, deur son- en ander energie, bakterieë, alge en 'n verskeidenheid waterbiota, om organiese materiaal te verwyder;
- (ix) **"afvalwater"** water wat afval bevat, of water wat in aanraking was met afvalmateriaal.

Besproeiing met afvalwater

2.7. Iemand wat —

- (i) eiendom besit of wettiglik okkupier wat in die Aktekantoor geregistreer is op die datum van hierdie kennisgewing; of
- (ii) grond wettiglik okkupier of gebruik wat nie geregistreer of opgemeet is nie,

buite die gebiede soos uitgesluit in paragraaf 2.4 hierbo, kan op daardie eiendom of grond —

(1) tot en met 500 kubieke meter huishoudelike of bioafbreekbare industriële afvalwater op enige gegewe dag vir besproeiing gebruik, mits —

- (a) die elektriese geleidingsvermoë nie 200 milliSiemens per meter (mS/m) oorskry nie;
- (b) die pH nie minder as 6 of meer as 9 pH-eenhede is nie;
- (c) die chemiese suurstofbehoefte (CSB) nie 400 mg/l na die verwydering van alge oorskry nie;
- (d) fekale kolivorms nie 100 000 per 100 ml oorskry nie; en
- (e) die natriumadsorpsieratio (NAR) nie 5 vir bioafbreekbare industriële afvalwater oorskry nie.

(2) tot en met 50 kubieke meter bioafbreekbare industriële afvalwater op enige gegewe dag vir besproeiing gebruik, mits —

- (a) die elektriese geleidingsvermoë nie 200 milliSiemens per meter (mS/m) oorskry nie;
- (b) die pH nie minder as 6 of meer as 9 pH-eenhede is nie;
- (c) die chemiese suurstofbehoefte (CSB) nie 5 000 mg/l na die verwydering van alge oorskry nie;
- (d) fekale kolivorms nie 100 000 per 100 ml oorskry nie; en
- (e) die natriumadsorpsieratio (NAR) nie 5 vir bioafbreekbare industriële afvalwater oorskry nie.

Registrasie van besproeiing met afvalwater

2.8.(1) Iemand wat ingevolge hierdie magtiging met afvalwater besproei, moet 'n registrasievorm wat van die Departement verkrygbaar is, vir die registrasie van watergebruik indien voor die aanvang van besproeiing indien meer as 10 kubieke meter afvalwater op enige gegewe dag vir besproeiing gebruik word.

(2) By skriftelike erkenning van ontvangs van die aansoekvorm deur die Departement sal die persoon beskou word as 'n geregistreerde watergebruiker.

(3) Die geregistreeerde gebruiker moet voeldoen aan enige regulasie wat gepromulgeer is ingevolge artikel 26(1)(c) van die Nasionale Waterwet.

Ligging van besproeiing met afvalwater

2.9. Afvalwaterbesproeiing ingevolge hierdie magtiging word slegs toegelaat —

- (a) indien die besproeiing plaasvind bokant die 100 jaar-vloedlyn of, alternatiewelik, meer as 100 meter vanaf die rant van die waterhulpbron of 'n boorgat wat gebruik word vir drinkwater of veesuiping; en
- (b) op grond wat nie 'n hoofakwifer is of daaroor geleë is nie (identifisering van 'n hoofakwifer sal deur die Departement op skriftelike versoek, voorsien word).

Rekordhouding en bekendmaking van inligting

2.10.(1) Die geregistreeerde gebruiker moet die instelling verseker van moniteringsprogramme om die hoeveelheid en gehalte van die afvalwater wat vir besproeiing gebruik word, te monitor voor die aanvang van besproeiing, soos volg-

- (a) die hoeveelheid moet gemeet word en die totaal weekliks aangeteken word; en

- (b) die hoeveelheid moet maandeliks op die laaste dag van elke maand gemoniteer word deur blindemonsterneming op die punt waar die afvalwater die besproeiingstelsel binnegaan, vir alle parameters in subparagraaf 2.7(1) gelys.

(2) Die metode van meting van spesifieke stowwe en parameters in enige afvalwater moet uitgevoer word —

- (a) deur 'n laboratorium wat kragtens die Suid-Afrikaanse Nasionale Akkrediteringstelsel (SANAS) ingevolge SABS Kode 0259 geakkrediteer is vir daardie metode; of

- (b) soos skriftelik deur die Minister goedgekeur.

(3) Op skriftelike versoek van die Verantwoordelike Gesag, moet die geregistreerde gebruiker —

- (a) die instelling van enige bykomende moniteringsprogramme verseker; en

- (b) 'n bevoegde persoon aanstel om die watergebruiksmetings wat ingevolge hierdie magtiging gemaak is, te evalueer en om die bevindings aan die Verantwoordelike Gesag vir evaluering voor te lê.

(4) Behoudens paragraaf 2.10.(3) hierbo moet die geregistreerde gebruiker vir minstens drie jaar 'n skriftelike rekord hou van die volgende afvalwaterbesproeiings- en verwante bedrywighedes-

- (a) die ligging en omvang van die gebied onder besproeiing, afgebaken op 'n 1:50 000-topografiekaart;
- (b) besonderhede van die gewas(se) en die gebied onder besproeiing;
- (c) die besproeiingsbestuurstechnieke wat toegepas word;
- (d) die hoeveelheid afvalwater wat vir besproeiing gebruik word;
- (e) die gehalte van die afvalwater wat vir besproeiing gebruik word;
- (f) besonderhede van die moniteringsprogram;
- (g) besonderhede van faling en foutwerkings in die besproeiingstelsel en besonderhede van maatreëls getref, en

sodanige inligting moet op skriftelike versoek aan die Verantwoordelike Gesag beskikbaar gestel word.

(5) Enige inligting oor die voorkoms van 'n voorval wat 'n nadelige uitwerking op die waterhulpbrongehalte het of waarskynlik sal hê, moet aan die Verantwoordelike Gesag gerapporteer word.

Voorkomende praktyke

2.11.(1) Die geregistreerde gebruiker moet aanvaarbare konstruksie- instandhoudings- en bedryfspraktyke volg om die konsekwente, doeltreffende en veilige werking van die afvalwaterbesproeiingstelsel te verseker, met inbegrip van —

- (a) die versuiping van die grond en poelvorming van water op die oppervlak van die grond;
- (b) lastige toestande soos vlieë of muskiete, reuke of sekondêre besoedeling;
- (c) die binnedring van enige oppervlakwaterhulpbron deur afval, of afvalwater;
- (d) die onredelike chemiese of fisiese aftakeling van, of enige ander skade aan, die grond van die besproeiingsterrein; en
- (e) die ongemagtigde gebruik van die afvalwater deur lede van die publiek.

(2) Alle redelike maatreëls moet getref word vir die opgaring van die afvalwater wat vir besproeiing gebruik word wanneer besproeiing nie onderneem kan word nie.

(3) Swewende vaste stowwe moet uit afvalwater verwyder word en die gevolglike slyk weggedoen word volgens die vereistes van enige tersaaklike wet of regulasies, insluitend-

- (a) "Toelaatbare gebruik en wegdoening van rioolslyk" Uitgawe 1, 1997. Watnavoringskommissie Verslag No TT 85/97 Gids; en
- (b) "Gids: Toelaatbare gebruik en wegdoening van behandelde riooluitvloeisel" 1978. Departement van Nasionale Gesondheid en Bevolkingsontwikkelings verslag No. 11/2/5/3 (verkrygbaar van die Departement op skriftelike versoek).

(4) Alle redelike maatreëls moet getref word vir meganiese, elektriese, bedryfs- of prosesfalings en -foutwerkings van die afvalwaterbesproeiingstelsel.

(5) Alle redelike maatreëls moet getref word om afloopstormwater te versamel wat afval of afvalwater bevat wat afkomstig is van die gebied onder besproeiing en om dit vir latere wegdoening te behou.

Inspeksies

2.12. Enige eiendom of grond ten opsigte waarvan 'n watergebruik ingevolge hierdie kennisgewing gemagtig is, moet beskikbaar gestel word vir inspeksie deur 'n gemagtigde persoon ingevolge artikel 125 van die Nasionale Waterwet.

Misdrywe

2.13. Enigiemand wat enige bepaling van hierdie magtiging oortree, is skuldig aan 'n misdryf en is onderworpe aan die straf uiteengesit in artikel 151(2) van die Nasionale Waterwet.

NOTA: Inligting ten opsigte van dreineringsgebiede verwys na in Tabel 2.1 kan van die Departement op skriftelike versoek verkry word.

TABEL 2.1 Ondergrondse Staatswaterbeheergebiede uitgesluit van Algemene Magtiging om met afval te besproei

Primêre dreineringsgebied	Tersiêre/kwaternêre opvanggebied	Beskrywing van ondergrondse Staatswater-beheergebied	Goewermements-kennisgewing No.	Datum van Staatskoerant
H	H30	Baden	136	1967-06-16
A	A30	Bo-Molopo	1324	1963-08-30
C	C30	Bo-Molopo	1993	1965-12-17
D	D41	Bo-Molopo	R. 634	1966-04-29
A	A24	Krokodilriviervallei	208	1981-10-23
A	A21	Krokodilriviervallei	18	1983-02-18
A	A21, A22	Kroondal-Marikana	180	1963-06-17
G	G10, G30	Laer-Berggriviervallei/Saldanha	185	1976-09-10
A, B	A60, B50, B31	Nylriviervallei	56	1971-03-26
G	G30	Strandfontein	2463	1988-12-09
M	M10, M20, M30	Uitenhage	260	1957-08-23
G	G30	Wadriif	992	1990-05-11
G	G20	Yzerfontein	27	1990-02-09
G	G30	Graafwater	1423	1990-06-29
A	A70	Dendron-Vivo	813	1994-04-29
A	A60	Dorpsrivier	312	1990-02-16
C	C24	Ventersdorp	777	1995-06-02

3 DIE STORTING VAN AFVAL OF WATER BEVATTENDE AFVAL IN 'N WATERHULPBRON DEUR MIDDEL VAN 'N PYP, KANAAL, RIOOL OF ANDER GELEIDING; EN WEGDOENING OP ENIGE WYSE VAN WATER WAT AFVAL BEVAT VAN, OF WAT VERHIT IS IN, 'N INDUSTRIËLE OF KRAGOPWEKKINGSPROSES

[Artikel 21(f) en (h)]

Doel van hierdie magtiging

3.1. Die magtiging wat ingevolge hierdie Bylae toegelaat word, vervang die nodigheid vir 'n watergebruiker om ingevolge die Nasionale Waterwet om 'n lisensie aansoek te doen, mits die storting binne die perke en voorwaardes uiteengesit in hierdie magtiging is.

Uitsluiting

3.2. Hierdie magtiging is nie van toepassing op enigiemand wat afvalwater deur see-uitlope stort, of na 'n akwifereer, of enige ander grondwaterhulpbron nie.

Voldoening aan Nasionale Waterwet en ander wette

3.3.(1) Hierdie magtiging —

- (a) is nie van toepassing op enige watergebruik kragtens Bylae 1 van die Nasionale Waterwet nie;
- (b) vervang nie enige bestaande magtiging wat kragtens die Nasionale Waterwet erken word nie;
- (c) stel nie iemand van voldoening aan artikel 7(2) van die Wet op Waterdienste, 1997 (Wet No. 108 van 1997) vry nie; of
- (d) stel nie iemand vry nie, wat water gebruik van voldoening aan enige ander bepaling van die Nasionale Waterwet, of van enige ander toepaslike wet, regulasie, ordonnansie of verordening nie, tensy anders in hierdie kennisgewing vermeld.

(2) Iemand wat water ingevolge hierdie magtiging gebruik, word van voldoening aan artikel 22(2)(e) van die Nasionale Waterwet vrygestel.

Toepassingsgebied

3.4 Hierdie magtiging is oral in die Republiek van Suid-Afrika van toepassing, uitgesonderd die gebiede uiteengesit in Tabel 3.1.

NOTA: Inligting ten opsigte van dreineringsgebiede verwys na in Tabel 3.1 kan van die Departement op skriftelike versoek verkry word.

TABEL 3.1 Gebiede uitgesluit van Algemene Magtiging vir storting in waterhulpbronne

Primêre dreineringsgebied	Tersiêre dreineringsgebied	Beskrywing van hoofrivier in dreineringsgebied
B	B11, B12 B20 B31, B32 B41, B42 B60	Olifantsrivier Wilgerivier Olifantsrivier Steelpoortrivier Blyderivier
W	W51, W52, W53, W54, W55, W56, W57	Usuturivier
X	X11, X12, X13, X14 X21, X22, X23, X24 X31, X32, X33 X40	Nkomatirivier

Duur van magtiging

3.5.(1) Hierdie magtiging is geldig vir 'n tydperk van vyf jaar vanaf die datum van hierdie kennisgewing, tensy —

- (a) dit op enige hersieningsdatum gewysig word, welke hersieningsdatum met tussenposes van twee jaar vanaf die datum van publikasie van hierdie kennisgewing sal wees;
- (b) die tydperk verleng word by verdere kennisgewing in die *Staatskoerant*, of
- (c) daar van die watergebruiker vereis word om aansoek te doen om 'n lisensie ingevolge die Nasionale Waterwet.

Woordskrywing

3.6. In hierdie magtiging het enige woord of uitdrukking waaraan daar 'n betekenis ingevolge die Nasionale Waterwet toegeken is, daardie betekenis en, tensy uit die samehang anders blyk, beteken—

- (i) **"handelsbedrywigheid"** daardie bedrywigheede wat in die Standaardnywerheidsklassifikasie van Alle Ekonomiese Bedrywigheede (5de Uitgawe) deur die Sentrale Statistiekdiens, 1993 gepubliseer is, soos gewysig en aangevul, onder die volgende kategorieë-
 - a) 6: groot- en kleinhandel,
 - b) 7: vervoer, opberging en kommunikasie,
 - c) 8: besigheidsdienste,
 - d) 9: gemeenskap, sosiale en persoonlike dienste,
 - e) 0: persoonlike en ander dienste;
- (ii) **"kompleks industriële afvalwater"** afvalwater wat afkomstig is van industriële bedrywigheede en persele, wat die volgende bevat-
 - a) 'n Komplekse mengsel van stowwe wat moeilik of onprakties is om chemies gekenmerk of gekwantifiseer te word;
 - b) een of meer stowwe waarvoor 'n afvalwaterlimietwaarde nie gespesifiseer is nie en wat skadelik of potensieel skadelik kan wees vir menslike gesondheid of die waterhulpbron (identifisering van kompleks industriële afvalwater sal op skriftelike versoek deur die Departement voorsien word);
- (iii) **"huishoudelike afvalwater"** afvalwater wat afkomstig is van huishoudelike en handelsbedrywigheede en -persele, en wat riool kan bevat;
- (iv) **"storting van huishoudelike afvalwater"** 'n storting van afvalwater wat bestaan uit 90% of meer huishoudelike afvalwater per volume wat versamel en behandel word en vervolgens weggedoen word;
- (v) **"industriële bedrywigheid"** daardie bedrywigheede wat in die Standaardnywerheidsklassifikasie van Alle Ekonomiese Bedrywigheede (5de Uitgawe) deur die Sentrale Statistiekdiens, 1993 gepubliseer is, soos gewysig en aangevul, onder die volgende kategorieë-
 - a) 2: mynbou en klipgroefwerk;
 - b) 3: vervaardiging;
 - c) 4: elektrisiteits-, gas- en watervoorsiening;
 - d) 5: bouwerk;
- (vi) **"storting van industriële afvalwater"** 'n afvalwaterstorting wat bestaan uit meer as 10% industriële afvalwater per volume wat versamel en behandel word en vervolgens weggedoen word;
- (vii) **"inlaat"** water geneem uit 'n waterhulpbron, uitgesonderd water geneem uit enige ander bron wat nie 'n waterhulpbron is nie;

- (viii) "**moniteringsprogram**" 'n program vir die gereelde neem van metings van die hoeveelheid en/of gehalte van 'n waterhulpbron, afval of afvalwaterstorting, met gespesifiseerde tussenposes, en op spesifieke plekke, om die chemiese, fisiese en biologiese aard van die waterhulpbron, afval of afvalwaterstorting te bepaal;
- (ix) "**gelyste waterhulpbronne**" daardie waterhulpbronne gelys in Tabel 3. 4, en ook enige sytak van 'n gelyste waterhulpbron, en enige waterhulpbron wat die opvanggebied van 'n gelyste waterhulpbron dreineer;
- (x) "**afvalwater**" water wat afval bevat, of water wat in aanraking was met afvalmateriaal;
- (xi) "**afvalwaterlimietwaardes**" die massa uitgedruk in terme van die konsentrasie en/of vlak van 'n stof wat te gener tyd oorskry mag word nie. Afvalwaterlimietwaardes is van toepassing op die laaste punt waar die afvalwater 'n waterhulpbron binnegaan, sonder inagneming van oplossing wanneer voldoening aan afvalwaterlimietwaardes bepaal word. Waar storting van afvalwater 'n waterhulpbron nie regstreeks binnegaan nie, is die afvalwaterlimietwaardes van toepassing op die punt waar die afvalwater die versamelings- en behandelingsperseel verlaat.

Storting van huishoudelike en industriële afvalwater in waterhulpbronne

3.7.(1) Iemand wat —

- (i) eiendom besit of wettiglik okkupier wat in die Aktekantoor geregistreer is op die datum van hierdie kennisgewing; of
- (ii) grond wettiglik okkupier of gebruik wat nie geregistreer of opgemeet is nie,

buite die gebiede soos uitgesluit in paragraaf 3.4 hierbo kan op daardie eiendom of grond —

(a) tot en met 2 000 kubieke meter afvalwater op enige gegewe dag in 'n waterhulpbron, wat **nie** 'n gelyste waterhulpbron bedoel in Tabel 3.4 is nie, stort, mits —

- (i) die storting voldoen aan die afvalwaterlimietwaardes uiteengesit in Tabel 3.2;
- (ii) die storting nie die natuurlike omringende watertemperatuur van die ontvangende waterhulpbron met meer as 3 grade celsius wysig nie; en
- (iii) die storting nie kompleks industriële afvalwater is nie.

(b) tot en met 2 000 kubieke meter afvalwater op enige gegewe dag in 'n waterhulpbron bedoel in Tabel 3.4 stort, mits —

- (i) die storting voldoen aan die afvalwaterlimietwaardes uiteengesit in Tabel 3.2;
- (ii) die storting nie die natuurlike omringende watertemperatuur van die ontvangende waterhulpbron deur meer as 2 grade celsius wysig nie; en
- (iii) die storting nie kompleks industriële afvalwater is nie.

(2) Iemand mag afloopstormwater van enige perseel wat nie afval of afvalwater bevat wat uit industriële bedrywighede en persele afkomstig is, in 'n waterhulpbron stort.

TABEL 3.2 Afvalwaterlimietwaardes van toepassing op storting van afvalwater in waterhulpbronne

STOF/PARAMETER	ALGEMENE LIMIET*	SPESIALE LIMIET*
Fekale kolivorms (per 100 ml)	1 000	0
Chemiese suurstofbehoefte (mg/l)	75*	30*
pH	5,5 – 9,5	5,5 – 7,5

STOF/PARAMETER	ALGEMENE LIMIET*	SPEZIALE LIMIET*
Ammoniak (geïoniseerd en ongeïoniseerd) as stikstof (mg/l)	3	2
Nitrat/nitriet as stikstof (mg/l)	15	1,5
Chloor as vrye chloor (mg/l)	0,25	0
Swewende vaste stowwe (mg/l)	25	10
Elektriese geleidingsvermoë (mS/m)	70 mS/m bokant inlaat tot op 'n maksimum van 150 mS/m	50 mS/m bokant agtergrond-ontvangende water tot op 'n maksimum van 100 mS/m
Ortofosfaat as fosfor (mg/l)	10	1 (mediaan) en 2,5 (maksimum)
Fluoried (mg/l)	1	1
Seep, olie of ghries (mg/l)	2,5	0
Opgeloste arseen (mg/l)	0,02	0,01
Opgeloste kadmium (iv) (mg/l)	0,005	0,001
Opgeloste chroom (mg/l)	0,05	0,02
Opgeloste koper (mg/l)	0,01	0,002
Opgeloste sianied (mg/l)	0,02	0,01
Opgeloste yster (mg/l)	0,3	0,3
Opgeloste lood (mg/l)	0,01	0,006
Opgeloste mangaan (mg/l)	0,1	0,1
Kwik en sy verbindings (mg/l)	0,005	0,001
Opgeloste seleen (mg/l)	0,02	0,02
Opgeloste sink (mg/l)	0,1	0,04
Boor (mg/l)	1	0,5

* na verwydering van alge

Registrasie van storting in waterhulpbronne

3.8.(1) Iemand wat ingevolge hierdie magtiging afvalwater in 'n waterhulpbron stort, moet 'n registrasievorm wat van die Departement verkrygbaar is, vir die registrasie van watergebruik indien voor die aanvang van die storting.

(2) By skriftelike erkenning van ontvangs van die aansoek deur die Departement word die persoon geag 'n geregistreerde watergebruiker te wees.

(3) Die geregistreerde gebruiker moet voldoen aan enige regulasie wat gepromulgeer is ingevolge artikel 26(1)(c) van die Nasionale Waterwet.

Rekordhouding en bekendmaking van inligting

3.9.(1) Die geregistreerde gebruiker moet die instelling verseker van moniteringsprogramme om die hoeveelheid en gehalte van die storting te moniteer voor die aanvang van die storting, soos volg-

- die hoeveelheid van die storting moet gemeet word en die totaal weekliks aangeteken word.
- die hoeveelheid huishoudelike afvalwater moet maandeliks gemoniteer word deur blindemonsterneming, soos uiteengesit in Tabel 3.3.

TABEL 3.3 Moniteringsvereistes vir storting van huishoudelike afvalwater

STORTINGSVOLUME OP ENIGE GEGEWE DAG	MONITERINGSVEREISTES
< 10 kubieke meter	Geen
10 tot 100 kubieke meter	pH Elektriese geleidingsvermoë (mS/m) Fekale kolivorms (per 100 ml)
100 tot 1 000 kubieke meter	pH Elektriese geleidingsvermoë (mS/m) Fekale kolivorms (per 100 ml) Chemiese suurstofbehoefte (mg/l) Ammoniak as stikstof (mg/l) Swewende vaste stowwe (mg/l)
1 000 tot 2 000 kubieke meter	pH Elektriese geleidingsvermoë (mS/m)

STORTINGSVOLUME OP ENIGE GEGEWE DAG	MONITERINGSVEREISTES
	Fekale kolivorms (per 100 ml) Chemiese suurstofbehoefte (mg/l) Ammoniak as stikstof (mg/l) Nitraat/nitriet as stikstof (mg/l) Vrye chloor (mg/l) Swewende vaste stowwe (mg/l) Ortofosfaat as fosfor (mg/l)

- (c) Die gehalte van die storting van industriële afvalwater moet weekliks deur blindemonsterneming gemoniteer word —
- (i) vir alle stowwe wat by die water gevoeg is deur enige industriële bedrywigheid;
 - (ii) vir alle stowwe wat in die water gekonsentreer is deur enige industriële bedrywigheid;
 - (iii) vir alle stowwe wat skadelik of potensieel skadelik vir menslike gesondheid of die waterhulpbron gehalte kan wees; en
 - (iv) soos uiteengesit in paragraaf 3.9.(1)(b) hierbo, indien die afvalwater enige huishoudelike afvalwater bevat.
- (d) Die metode van meting van spesifieke stowwe en parameters in enige afvalwater moet uitgevoer word —
- (i) deur 'n laboratorium wat kragtens die Suid-Afrikaanse Nasionale Akkrediteringstelsel (SANAS) ingevolge SABS Kode 0259 geakkrediteer is vir daardie metode; of
 - (ii) soos skriftelik deur die Minister goedgekeur.
- (2) Op skriftelike versoek van die Verantwoordelike Gesag, moet die geregistreerde gebruiker —
- (a) die instelling van enige bykomende moniteringsprogramme verseker;
 - (b) 'n bevoegde persoon aanstel om die watergebruiksmetings wat ingevolge hierdie magtiging gemaak is, te evalueer en om die bevindings aan die Verantwoordelike Gesag vir evaluering voor te lê.
- (3) Behoudens paragraaf 3.10.(2) hierbo moet die geregistreerde gebruiker vir minstens vyf jaar 'n skriftelike rekord hou van die volgende afvalwaterstortings- en verwante bedrywighede—
- (a) die hoeveelheid afvalwater gestort;
 - (b) die gehalte van die afvalwater gestort;
 - (c) besonderhede van die moniteringsprogram(me);
 - (d) besonderhede van die falings en foutwerkings in die stortingstelsel en besonderhede van maatreëls getref, en

sodanige inligting moet op skriftelike versoek aan die Verantwoordelike Gesag beskikbaar gestel word.

(4) Enige inligting oor die voorkoms van 'n voorval wat 'n nadelige uitwerking op die waterhulpbrongehalte het of waarskynlik sal hê, moet aan die Verantwoordelike Gesag gerapporteer word.

Voorkomende praktyke

3.10.(1) Die geregistreerde gebruiker moet aanvaarbare konstruksie-, instandhoudings- en bedryfspraktyke volg om die konsekwente, doeltreffende en veilige werking van die afvalwaterbesproeiingstelsel te verseker.

(2) Alle redelike maatreëls moet getref word om voorsiening te maak vir meganiese, elektriese, bedryfs- of prosesfalings en -foutwerkings van die stortingstelsel.

Inspeksies

3.11. Enige eiendom of grond ten opsigte waarvan 'n watergebruik ingevolge hierdie kennisgewing gemagtig is, moet beskikbaar gestel word vir inspeksie deur 'n persoon gemagtig ingevolge artikel 125 van die Nasionale Waterwet.

Misdrywe

3.12. Enigiemand wat enige bepaling van hierdie magtiging oortree, is skuldig aan 'n misdryf en is onderworpe aan 'n straf uiteengesit in artikel 151(2) van die Nasionale Waterwet.

TABEL 3.4 Gelyste waterhulpbronne

WATERHULPBRON	
1.	Houtbaairivier tot by getywater
2.	Eersterivier tot by getywater
3.	Lourensrivier tot by getywater
4.	Steenbrasrivier tot by getywater
5.	Berg-en Dwarsrivier tot by samevloeiing
6.	Klein-Bergrivier tot by Vogelkleistudam
7.	Sonderend-, Du Toits- en Elandskloofrivier stroomop en insluitende die Thee Waterskloofdam
8.	Witterivier tot by die samevloeiing met die Breederivier
9.	Dwarsrivier tot by Ceres-afdelingsgrens
10.	Olifantsrivier tot by die Ceres-afdelingsgrens
11.	Helsloot- en Smalblaar- (of Molenaars-)rivier tot by hul samevloeiing met die Breederivier
12.	Hexrivier tot by sy samevloeiing met die Breederivier
13.	Van Stadensrivier tot by getywater
14.	Buffelsrivier vanaf sy oorsprong tot waar hy King William's Town se munisipale gebied binnegaan
15.	Klipplaatrivier vanaf sy oorsprong tot by die Waterdowndam
16.	Swart Keirivier tot by sy samevloeiing met die Klipplaatrivier
17.	Brootbakrivier
18.	Bongolarivier tot by die Bongoladam
19.	Kubusrivier tot by Stutterheim se munisipale grens
20.	Langkloofrivier vanaf sy oorsprong tot by Barkly-Oos se munisipale grens
21.	Kraairivier tot by sy samevloeiing met die Langkloofrivier
22.	Klein-Tsomorivier
23.	Xukarivier tot by die Elliot-distriksgrens
24.	Tsitsa- en Inxurivier tot waar by hul samevloeiing
25.	Mvenyane- en Mzimvuburivier vanaf hul oorsprong tot by hul samevloeiing
26.	Mzintlavarivier tot by sy samevloeiing met die Mvalwenrivier
27.	Ingwangwanarivier tot by sy samevloeiing met die Umzimkulurivier
28.	Umzimkulu- en Polelarivier tot by hul samevloeiing
29.	Elandsrivier tot by die Petermaritzburg-Bulwer-hoofpad
30.	Umtamvuma- en Wezarivier tot by hul samevloeiing
31.	Umkomaas- en Isingarivier tot by hul samevloeiing
32.	Luranerivier tot by sy samevloeiing met die Umkomaasrivier
33.	Sitnundjwanaspruit tot by sy samevloeiing met die Umkomaasrivier
34.	Inudwinirivier tot by die Polela-distriksgrens
35.	Inkonzarivier tot by die brug op die Donnybrook-Creighton-pad
36.	Umlaasrivier tot by die brug op Distrikspad 334 op die plaas Maybole
37.	Umgeni- en Lionsrivier tot by hul samevloeiing
38.	Moorivier tot by die padbrug te Rosetta
39.	Klein-Mooi- en Hlatikularivier tot by hul samevloeiing
40.	Boesmansrivier tot by die Wagendriftdam
41.	Klein-Tugelarivier en Sterkspruit tot by hul samevloeiing
42.	M'Lambonjwa- en Mhlawazenirivier tot by hul samevloeiing
43.	Mnweni- en Sandhwanarivier tot by hul samevloeiing
44.	Tugelarivier tot by sy samevloeiing met die Kombespruit
45.	Inyamvubu- (of Mnyamvubu-)rivier tot by die Craigie Burn-dam
46.	Umvotirivier tot by die brug op die Seven Oaks-Rietvlei-pad

WATERHULPBRON		
47. Yarrowrivier tot by sy samevloeiing met die Karkloofrivier		
48. Incandu- en Ncibidwanerivier tot by hul samevloeiing		
49. Ingogorivier tot by sy samevloeiing met die Harterivier		
50. Pivaanrivier tot by sy samevloeiing met Soetmelkspruit		
51. Slangrivier en die Wakkerstroom tot by hul samevloeiing		
52. Elands- en Swartkoppiespruit tot by hul samevloeiing		
53. Alle sytakke van die Komatirivier tussen Nootgedaghtdam en sy samevloeiing met en met inbegrip van Zevenfonteinspruit		
54. Seekoespruit tot by sy samevloeiing met Buffelspruit		
55. Krokodilrivier en Buffelskloofspruit tot by hul samevloeiing		
56. Alle sytakke van die Steelpoortrivier stroomaf tot by die samevloeiing met en met inbegrip van die Dwarsrivier		
57. Potspruit tot by sy samevloeiing met die Watervalrivier		
58. Dorpsrivier (of Spekboomrivier) tot by sy samevloeiing met die Marambanspruit		
59. Ohrigstadrivier tot by die Ohrigstaddam		
60. Klein-Spekboomrivier tot by sy samevloeiing met die Spekboomrivier		
61. Blyderivier tot by Pelgrimsrus se munisipale grens		
62. Sabierivier tot by Sabie se munisipale grens		
63. Nelsrivier tot by Pelgrimsrus se munisipale grens		
64. Houtboslooprivier tot by Lydenburg-distriks grens		
65. Blinkwaterspruit tot by die Longmeredam		
66. Assegairivier stroomop en met inbegrip van die Heyshopedam		
67. Komatirivier stroomop en met inbegrip van die Nootgedacht en die Vygeboomdam		
68. Ngwempisirivier stroomop en met inbegrip van die Jerigo- en Morgenstonddam		
69. Slangrivier stroomop en met inbegrip van die Zaaioekdam		
70. Alle strome wat in die Olifantsrivier invloei stroomop en met inbegrip van die Loskop-, Witbank- en Middelburgdam		
71. Alle strome wat in die Ebenezerdam in die Groot-Letabarivier invloei		
72. Dokolewerivier tot by sy samevloeiing met die Politzirivier		
73. Ramadieparivier tot by die Merenskydam op die plaas Westfalia 223, Letaba		
74. Pienaarsrivier en sy sytakke so ver as die Klipvoordam		
RAMSAR-GELYSDE VLEIGEBIEDE	PROVINSIE	LIGGING
75. Barberspan	Noordwes	26°33' S 25°37' O
76. Blesbokspruit	Gauteng	26°17' S 28°30' O
77. De Hoopvlei	Wes-Kaap	34°27' S 20°20' O
78. De Mond (Heuningnesmonding)	Wes-Kaap	34°43' S 20°07' O
79. Kosibaai	KwaZulu-Natal	27°01' S 32°48' O
80. Sibaya-meer	KwaZulu-Natal	27°20' S 32°38' O
81. Langebaan	Wes-Kaap	33°06' S 18°01' O
82. Oranjeriviermonding	Noord-Kaap	28°40' S 16°30' O
83. St. Lucia-stelsel	KwaZulu-Natal	28°00' S 32°28' O
84. Seekoeivlei-natuurreservaat	Vrystaat	27°34' S 29°35' O
85. Verlorenvlei	Wes-Kaap	32°24' S 18°26' O
86. Nylsvlei	Noordelike	24°39' S 28°42' O
87. Verloren Valei	Mpumalanga	25°14' S 30°4' O
88. Wildernis-mere	Wes-Kaap	33°59' S 22°39' O

4 BESKIKKING OOR AFVAL OP 'N WYSE WAT NADELIG OP 'N WATERHULPBRON KAN INWERK

[Artikel 21(g)]

Doel van hierdie magtiging

4.1. Die magtiging wat ingevolge hierdie Bylae toegelaat word, vervang die nodigheid vir 'n watergebruiker om ingevolge die Nasionale Waterwet aansoek te doen om 'n lisensie vir die

wegdoening van afval, mits die wegdoening binne die perke en voorwaardes uiteengesit in hierdie magtiging is.

Uitsluiting

4.2. Hierdie magtiging is van toepassing op iemand wat die wettige bewoner van die grond is waarop die wegdoening plaasvind.

Voldoening aan Nasionale Waterwet en ander wette

4.3.(1) Hierdie magtiging —

- (a) vervang nie enige bestaande magtiging wat kragtens die Nasionale Waterwet erken word nie;
- (b) stel nie iemand van voldoening aan artikel 7(2) van die Wet op Waterdienste, 1997 (Wet No. 108 van 1997) vry nie;
- (c) stel nie iemand van voldoening aan die bepalings van die Wet op Nasionale Bouregulasies en Boustandaarde, 1977 (Wet No. 103 van 1977), vry nie betreffende die konstruksie, bedryf en instandhouding van enige struktuur wat gebruik word vir die versameling, behandeling of wegdoening van afval nie; or
- (d) stel nie iemand vry nie, wat water gebruik van voldoening aan enige ander bepaling van die Nasionale Waterwet, enige ander toepaslike wet, regulasie, ordonnansie of verordening nie, tensy anders in hierdie kennisgewing vermeld.

(2) Iemand wat water ingevolge hierdie magtiging gebruik, word van voldoening aan artikel 22(2)(e) van die Nasionale Waterwet vrygestel.

Toepassingsgebied

4.4. Hierdie magtiging is oral in die Republiek van Suid-Afrika van toepassing, uitgesonderd enige ondergrondse Staatswaterbeheergebied soos omskryf in die Waterwet, 1956 (Wet No. 54 van 1956), voor die herroeping daarvan en uiteengesit in Tabel 4.1.

Duur van magtiging

4.5. Hierdie magtiging is geldig vir 'n tydperk van vyf jaar vanaf die datum van publikasie van hierdie kennisgewing, tensy —

- (a) dit op enige hersieningsdatum gewysig word, welke hersieningsdatum met tussenposes van twee jaar vanaf die datum van publikasie van hierdie kennisgewing sal wees;
- (b) die tydperk by verdere kennisgewing in die *Staatskoerant* verleng word; of
- (c) daar van die watergebruiker vereis word om aansoek te doen om 'n lisensie ingevolge die Nasionale Waterwet.

Woordskrywing

4.6. In hierdie magtiging het enige woord of uitdrukking waaraan daar 'n betekenis ingevolge die Nasionale Waterwet toegeken is, daardie betekenis en, tensy uit die samehang anders blyk, beteken —

- (i) **"bioafbreekbare industriële afvalwater"** afvalwater wat oorwegend organiese afval bevat wat afkomstig is van industriële bedrywigheede en persele, met inbegrip van —
 - (a) melkverwerking;
 - (b) die vervaardiging van vrugte- en groenteprodukte;
 - (c) suikermeule;
 - (d) die vervaardiging en bottelering van koeldrank;

- (e) waterbotteling;
 - (f) die produsering van alkohol en alkoholiese drankies in brouerye, wynkelders of mouthuise;
 - (g) die vervaardiging van diervoer uit plant- of diereprodukte;
 - (h) die vervaardiging van gelatien en gom uit huide, velle en bene;
 - (i) abattoirs;
 - (j) visverwerking; en
 - (k) voerkrale;
- (ii) **"kategorie A-myn"** —
- (a) enige goud- of steenkoolmyn;
 - (b) enige myn met 'n ekstraksiemetallurgiese proses, met inbegrip van hoopuitloging; of
 - (c) enige myn waar sulfaatproduserende of suurgenererende materiaal in die mineraalafsetting voorkom;
- (iii) **"kompleks industriële afvalwater"** afvalwater wat afkomstig is van industriële bedrywighede en persele, wat die volgende bevat-
- (a) 'n komplekse mengsel van stowwe wat moeilik of onprakties is om chemies gekenmerk of gekwantifiseer te word; of
 - (b) een of meer stowwe waarvoor 'n afvalwaterlimietwaarde nie gespesifiseer is nie en wat skadelik of potensieel skadelik kan wees vir menslike gesondheid of die waterhulpbron- (identifisering van kompleks industriële afvalwater sal op skriftelike versoek deur die Departement voorsien word);
- (iv) **"huishoudelike afvalwater"** afvalwater wat afkomstig is van huishoudelike en handelsbedrywighede en -persele, en wat riool kan bevat;
- (v) **"verdampingsdam"** 'n dam wat ontwerp is om afvalwater deur middel van verdamping te versamel en daarvan weg te doen, waaruit enige gekonsertreede afval of slyk verwyder moet word en weggedoen moet word volgens die vereistes van tersaaklike wette en regulasies;
- (vi) **"gryswater"** afvalwater wat deur middel van huishoudelike bedrywighede en persele gegenereer word, met inbegrip van was, bad en voedselvoorbereiding, maar wat nie riool bevat nie;
- (vii) **"moniteringsprogram"** 'n program vir die gereelde neem van metings van die hoeveelheid en/of gehalte van 'n waterhulpbron, afval of afvalwaterstorting, met gespesifiseerde tussenposes, en op spesifieke plekke, om die chemiese, fisiese en biologiese aard van die waterhulpbron, afval of afvalwaterstorting te bepaal;
- (viii) **"organiese afval"** afval van nie-antropogeniese oorsprong wat gereedlik bioafbreekbaar in die omgewing is en wat nie enige stowwe bevat wat in die omgewing kan akkumuleer nie;
- (ix) **"opterreinwegdoening"** die wegdoening van afvalwater op individuele eiendomme wat nie permanent gekoppel is aan 'n sentrale afvalversamelings-, behandelings- en wegdoeningstelsel, byvoorbeeld septiesetenkstelsels, riooltenkstelsels, wegleistelsels, stapelriole en putlatrines nie;
- (x) **"primêre behandeling"** die behandeling van afvalwater deur middel van 'n fisiese proses, waarby deurweking, afsakking, skerming en grintverwydering betrokke kan wees;
- (xi) **"sekondêre behandeling"** die behandeling van afvalwater deur middel van 'n biologiese proses, deur son- en ander energie, bakteerê, alge en 'n verskeidenheid waterbiota, om organiese materiaal te verwyder;
- (xii) **"afvalwater"** water wat afval bevat, of water wat in aanraking was met afvalmateriaal;

- (xiii) **"afvalwaterdamstelsel"** 'n dam of stelsel van damme wat ontwerp is om afvalwater op te vang en primêre en sekondêre behandeling uit te voer, en waaruit behandelde afvalwater gestort word.

Opgaring van huishoudelike en/of bioafbreekbare industriële afvalwater vir hergebruiksdoeleindes

4.7. Iemand wat —

- (i) eiendom besit of wettiglik okkupier wat in die Aktekantoor geregistreer is op die datum van hierdie kennisgewing; of
- (ii) grond wettiglik okkupier of gebruik wat nie geregistreer of opgemeet is nie,

buite die gebiede uiteengesit in Tabel 4.1, mag op daardie eiendom of grond tot en met 5 000 kubieke meter huishoudelike en/of bioafbreekbare industriële afvalwater opgaar vir hergebruiksdoeleindes.

Opgaring van huishoudelike en/of bioafbreekbare industriële afvalwater vir wegdoeningsdoeleindes

4.8. Iemand wat —

- (i) eiendom besit of wettiglik okkupier wat in die Aktekantoor geregistreer is op die datum van hierdie kennisgewing; of
- (ii) grond wettiglik okkupier of gebruik wat nie geregistreer of opgemeet is nie,

buite die gebiede soos uiteengesit in Tabel 4.1, mag op daardie eiendom of grond huishoudelike en/of bioafbreekbare industriële afvalwater met die doel om van die volgende weg te doen—

- (a) tot en met 10 000 kubieke meter per eiendom of grond; of
- (b) tot en met 50 000 kubieke meter per eiendom of grond in 'n afvalwaterdamstelsel.

Wedoening van huishoudelike en/of bioafbreekbare industriële afvalwater

4.9. Iemand wat —

- (i) eiendom besit of wettiglik okkupier wat in die Aktekantoor geregistreer is op die datum van hierdie kennisgewing; of
- (ii) grond wettiglik okkupier of gebruik wat nie geregistreer of opgemeet is nie,

buite die gebiede uiteengesit in Tabel 4.1, mag op daardie eiendom of grond afvalwater wegdoen, soos volg—

- (a) tot en met 1 000 kubieke meter van huishoudelike en/of bioafbreekbare industriële afvalwater op enige gegewe dag —
 - (i) in 'n afvalwaterdamstelsel; of
 - (ii) in 'n verdampingsdamstelsel;
- (b) huishoudelike of bioafbreekbare afvalwater in 'n afvalwaterbesproeiingstelsel soos uiteengesit in Algemene Magtiging 2;
- (c) afvalwater na 'n opterreinwegdoeningsfasiliteit vir —
 - (i) gryswater gegenereer deur 'n enkele huishouding;
 - (ii) tot en met een kubieke meter bioafbreekbare industriële afvalwater op enige gegewe dag; en

- (iii) huishoudelike afvalwater na 'n kommunale septiese tenk wat hoogstens 50 huishoudings bedien;
- (d) huishoudelike afvalwater deur 'n enkele huishouding gegenereer wat nie permanent gekoppel is aan 'n sentrale afvalversamelings-, behandelings- en wegdoeningstelsel nie, na 'n opterreinwegdoeningsfasiliteit; en
- (e) afloopstormwater van enige perseel wat nie afval of afvalwater vanaf industriële bedrywighede of persele bevat nie.

Wegdoening van mynafval of -residu

4.10. Iemand kan oor mynresidu in mynresiduafsettings beskik, mits —

- (a) die mynresidu nie van 'n kategorie A-myn is nie;
- (b) die wegdoening ooreenkomstig Goewermentskennisgewing No. 704 van 4 Junie 1999 is; en
- (c) die wegdoening gedoen word ooreenkomstig SABS Kode 0286.

Registrasie van afvalwateropgaring

4.11.(1) Iemand wat afvalwater ingevolge hierdie magtiging opgaar, moet 'n registrasievorm wat van die Departement verkrygbaar is, vir die registrasie van watergebruik indien voor die aanvang van opgaring indien meer as 1 000 kubieke meter vir wegdoening opgegaar word of meer as 500 kubieke meter vir hergebruik opgegaar word.

- (2) By skriftelike erkenning van ontvangs van die aansoekvorm deur die Departement, sal die persoon beskou word as 'n geregistreerde watergebruiker.
- (3) Die geregistreerde gebruiker moet voeldoen aan enige regulasie wat gepromulgeer is ingevolge artikel 26(1)(c) van die Nasionale Waterwet.

Registrasie van afvalwaterwegdoening

4.12.(1) Iemand wat van afvalwater ingevolge hierdie magtiging wegdoen, moet 'n registrasievorm wat van die Departement verkrygbaar is, vir die registrasie van watergebruik indien voor die aanvang van wegdoening indien daar van meer as 50 kubieke meter huishoudelike of bioafbreekbare industriële afvalwater vir wegdoening op enige gegewe dag weggedoen word.

(2) Die verantwoordlike plaaslike owerheid moet 'n registrasievorm wat van die Departement verkrygbaar is, indien vir die registrasie van watergebruik vir die wegdoening van huishoudelike afvalwater in —

- (a) gebiede waar meer as 5 000 huishoudings deur opterreinwegdoeningsterreine bedien word;
- (b) gebiede waar die digtheid van opterreinwegdoeningsterreine 10 per hektaar oorskry; of
- (c) gebiede wat deur kommunale septiese tenks bedien word.

(3) By skriftelike erkenning van ontvangs van die aansoekvorm deur die Departement, sal die persoon beskou word as 'n geregistreerde watergebruiker.

(4) Die geregistreerde gebruiker moet voeldoen aan enige regulasie wat gepromulgeer is ingevolge artikel 26(1)(c) van die Nasionale Waterwet.

Ligging van afvalwateropgaringsdamme en afvalwaterwegdoeningsterreine

4.13. Afvalwateropgaardamme en afvalwaterwegdoeningsterreine moet geleë wees —

- (a) buite 'n waterloop;
- (b) bokant die 100 jaar-vloedlyn of, alternatiewelik, meer as 100 meter vanaf die rant van die waterhulpbron of 'n boorgat wat gebruik word vir drinkwater of veesuijing; en
- (c) op grond wat nie 'n hoofakwifer is of daaroor geleë is nie (identifisering van 'n hoofakwifer sal op versoek deur die Departement voorsien word).

Rekordhouding en bekendmaking van inligting

4.14.(1) Die geregistreerde gebruiker, met uitsondering van die plaaslike owerheid, moet die instelling verseker van moniteringsprogramme om die hoeveelheid en gehalte van die afvalwater voor opgaring of wegdoening te moniteer, soos volg-

- (a) vir die opgaring van afvalwater moet die hoeveelheid maandeliks aangeteken word; of
- (b) vir die wegdoening van afvalwater moet die hoeveelheid gemeet en maandeliks aangeteken word.

(2) Op skriftelike versoek van die Verantwoordelike Gesag, moet die geregistreerde gebruiker, met uitsondering van die plaaslike owerheid —

- (a) die instelling van bykomende moniteringsprogramme verseker; en
- (b) 'n bevoegde persoon aanstel om die watergebruikmetings wat ingevolge hierdie magtiging gedoen word, te evalueer en die bevindings aan die Verantwoordelike Gesag voor te lê vir evaluering.

(3) Behoudens paragraaf 4.14.(2) hierbo, moet die geregistreerde gebruiker, met uitsondering van die plaaslike owerheid, vir minstens vyf jaar 'n skriftelike rekord hou van die volgende afvalwateropgarings- en afvalwaterwegdoeningsbedrywighede-

- (a) die ligging van die opgaardam of afvalwaterwegdoeningsterrein;
- (b) die hoeveelheid afvalwater wat opgegaar of weggedoen word of hergebruik word;
- (c) die gehalte van die afvalwater wat opgegaar of oor beskik word, waar toepaslik;
- (d) besonderhede van die moniteringsprogram;
- (e) besonderhede van falings en foutwerkings van enige afvalwaterwegdoeningstelsel of afvalwateropgaardam waarvoor die geregistreerde gebruiker verantwoordelik is; en

sodanige inligting moet op skriftelike versoek aan die Verantwoordelike Gesag beskikbaar gestel word.

(4) Enige inligting oor die voorkoms van 'n voorval wat 'n nadelige uitwerking op die waterhulpbrongehalte het of waarskynlik sal hê, moet aan die Verantwoordelike Gesag gerapporteer word.

Voorkomende praktyke

4.15.(1) Die geregistreerde gebruiker moet aanvaarbare konstruksie-, instandhoudings- en bedryfspraktyke volg om die konsekwente, doeltreffende en veilige uitvoering van enige afvalwaterwegdoeningstelsel of afvalwateropgaardam te verseker.

(2) Alle redelike maatreëls moet getref word om te voorkom dat afvalwater uit enige afvalwaterwegdoeningstelsel of afvalwateropgaardam oorloop.

(3) Alle redelike maatreëls moet getref word om voorsiening te maak vir meganiese, elektriese, bedryfs- of prosesfalings en foutwerkings van enige afvalwaterwegdoeningstelsel of afvalwateropgaardam.

(4) Rioolslyk moet verwyder word uit enige afvalwater en weggedoen word volgens die vereistes van enige tersaaklike wette of regulasies, insluitend-

- (a) "Toelaatbare gebruik en wegdoening van rioolslyk" Uitgawe 1, 1997. Waternavoringskommissie Verslag No TT 85/97 Gids; en
- (b) "Gids: Toelaatbare gebruik en wegdoening van behandelde riooluitvloeisel", 1978. Departement van Nasionale Gesondheid en Bevolkingsontwikkelings verslag No. 11/2/5/3 (verkrygbaar van die Departement op skriftelike versoek).

Inspeksies

4.16. Enige eiendom of grond ten opsigte waarvan 'n watergebruik ingevolge hierdie kennisgewing gemagtig is, moet beskikbaar gestel word vir inspeksie deur 'n persoon gemagtig ingevolge artikel 125 van die Nasionale Waterwet.

Misdrywe

4.17. Enigiemand wat enige bepaling van hierdie magtiging oortree, is skuldig aan 'n misdryf en is onderworpe aan die straf uiteengesit in artikel 151(2) van die Nasionale Waterwet.

NOTA: Inligting ten opsigte van dreineringsgebiede verwys na in Tabel 4.1 kan van die Departement op skriftelike versoek verkry word.

TABEL 4.1 Ondergrondse Staatswaterbeheergebiede uitgesluit van Algemene Magtiging vir wegdoening van afval

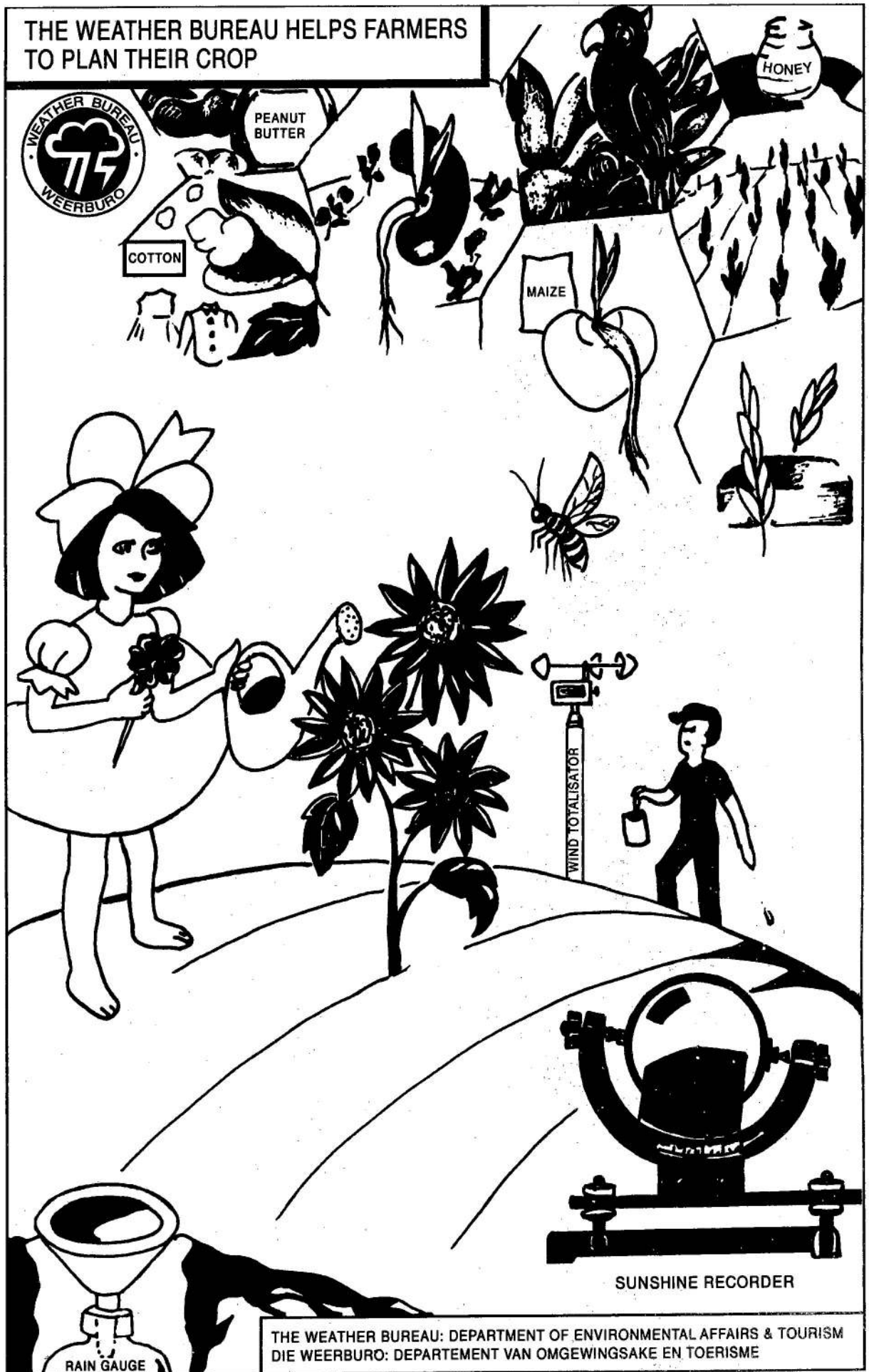
Primêre dreineringsgebied	Tersiêre/kwaternêre dreineringsgebied	Beskrywing van ondergrondse Staatswater-beheergebied	Goewernements-kennisgewing No.	Datum van Staatskoerant
H	H30	Baden	136	1967-06-16
A	A30	Bo-Molopo	1324	1963-08-30
C	C30	Bo-Molopo	1993	1965-12-17
D	D41	Bo-Molopo	R. 634	1966-04-29
A	A24	Krokodilriviervallei	208	1981-10-23
A	A21	Krokodilriviervallei	18	1983-02-18
A	A21, A22	Kroondal-Marikana	180	1963-06-17
G	G10, G30	Laer-Bergriviervallei/Saldanha	185	1976-09-10
A, B	A60, B50, B31	Nylriviervallei	56	1971-03-26
G	G30	Strandfontein	2463	1988-12-09
M	M10, M20, M30	Uitenhage	260	1957-08-23
G	G30	Wadrif	992	1990-05-11
G	G20	Yzerfontein	27	1990-02-09
G	G30	Graafwater	1423	1990-06-29
A	A70	Dendron-Vivo	813	1994-04-29
A	A60	Dorpsrivier	312	1990-02-16
C	C24	Ventersdorp	777	1995-06-02

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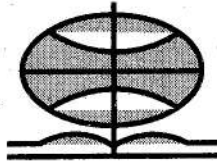


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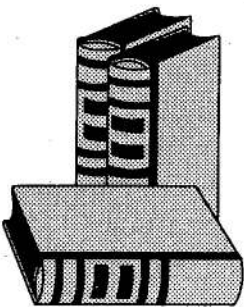
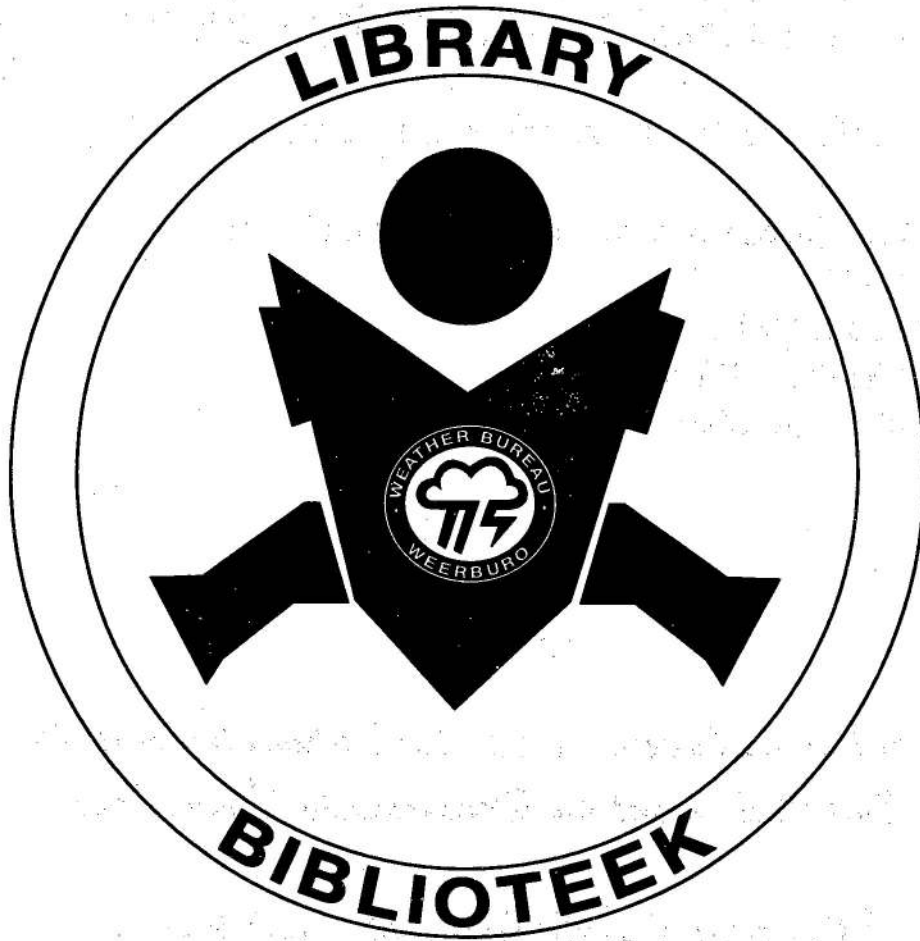
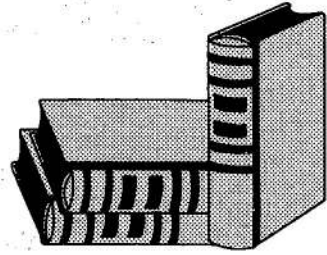
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