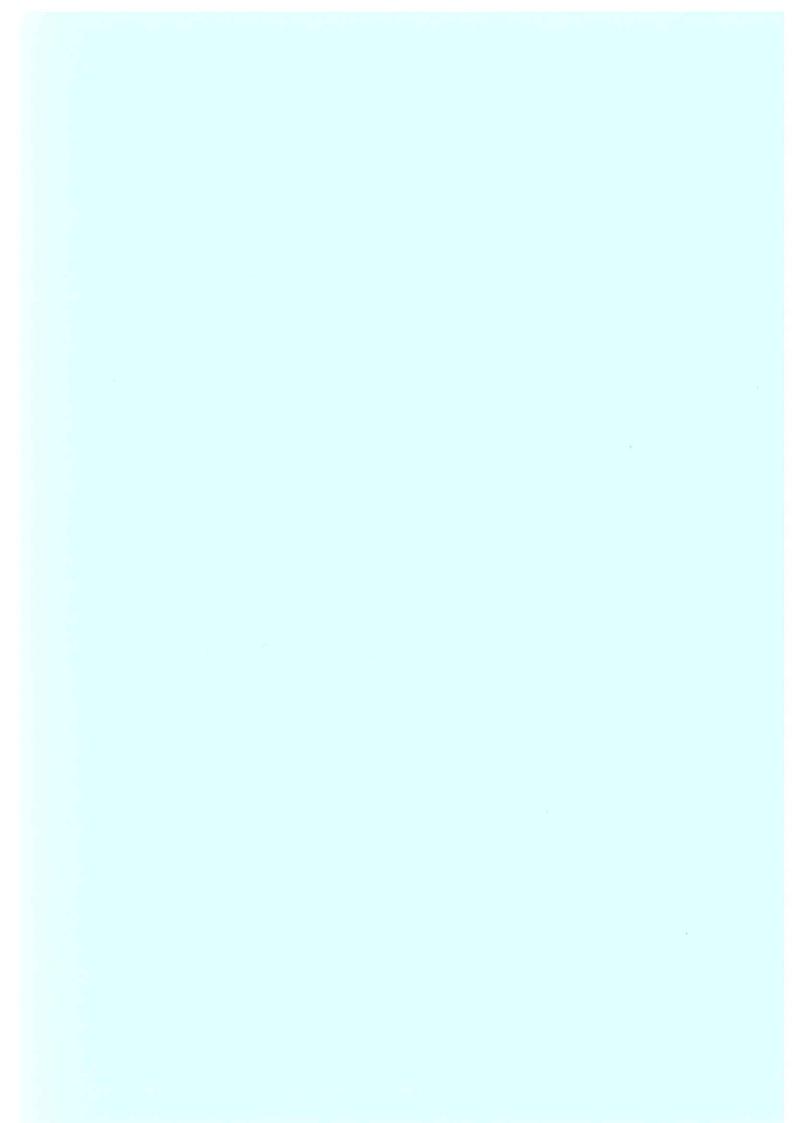
#### Appendix G

#### **Water Use Registration Forms**

- Proof of payment of administration fee
- DW758 Applicant details
  - DW901 Property details (2)
  - DW902 Property owner details
- DW760 Section 21 (a) Taking water from a water resource
  - Conveyor B9 spring; Furnace E spring; Furnace F spring
- DW788 Section 21 (a) supplementary
  - Conveyor B9 spring; Furnace E spring; Furnace F spring
- DW784 Section 21 (a) supplementary pump technical data
  - Conveyor B9 spring; Furnace E spring; Furnace F spring
- DW767 Section 21 (g) Waste / wastewater disposal
  - Historic Waste Dump; Harry's Dam; New storm water dam
- DW905 Section 21 (g) supplementary
  - Historic Waste Dump, Harry's Dam, New storm water dam
- DW805 Section 21 (j) Removing water
  - Conveyor B9 spring; Furnace E spring; Furnace F spring



# Pay Recipients

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#### **REGISTRATION/LICENSING PART 1**

COMPANY, BUSINESS, PARTNERSHIP OR COMMUNITY, NATIONAL OR PROVINCIAL GOVERNMENT

1.	GENERAL INFORMATION						
¥	Mark the applicable option(s) with an $X$ and/o	r complete d	etails where applicable/available.				
	Indicate the nature of this application:		New registration  Formal amendment	☐ Minor change			
			Registration Number				
2.	PARTICULARS OF THE APPLIC	CANT					
	Application for:  (Mark one block with an X)  Company, business, partnership or community (complete part 3,5,6,7 at 8 excl. 8.1)  National or provincial government (complete part 4,5,6,7 and 8 excl. 8.1)						
3.	PARTICULARS OF THE COMPA	NY, BUS	SINESS, PARTNERSHIP	OR COMMUNITY			
3.1	Name of company, business, partnership or community:						
	Silicon Smelters (Pty) Ltd – Rand Carbide						
3.2	Trading name if different from nar	ne of com	pany, business, partnersi	nip or community:			
3.3	Type of enterprise:		06 Public Company (Ltd)	□ 07 Private Company (Pty) Ltd     □ 10 Pr			
	(Mark one block with an X)		08 Article 21 (Association Inc. under Article 21 of the Compan Act No. 61 of 1973)	☐ 09 Limited By Guarantee y			
			10 External Company	11 External Company under article 21 of the Company Act No. 61 of 1973			
			20 Transvaal Ordinance	21 Incorporated (Inc)			
			22 Unlimited	23 Close Corporation (CC)			
			Parastatal	☐ Trust			
			Other [i.e. non-CIPRO Company Community Groups, etc.) exclude	y types (e.g. Churches, Schools, iing Trust and Parastatall			
3.4	Business enterprise registration n	umber:	1998/19036/07				
3.5	Date established: (ccyy/mm/dd)		1 9 9 8 0 9 2	5			
3.6	Country where established:		Republic of South Africa				
3.7	VAT registration number: 4310178506						

.1	National Depar	tment:		Professional Annual	namento polo sineri instituto della Producti (Productional Productional National National National National Na	And American American Control of the
.2	a) Provincial D	epartment:				
	1) 5					
	b) Province:		d <sub>e</sub>			
	<u> </u>		<del>Majdaja (</del>			
5.	APPLICANT O	CONTACT DETAILS				
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	P.O. Box 214				······································	
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					Postal Code	1 0 3 5
2		only if different from postal address):				
	Voortrekker Road					
	Emalahleni					
					Postal Code	1 0 3 5
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	Area/cell code	+ 2 7 (0) 1 3	Number	6 9 0 - 8 2 6 3	B Ext	
.4	E-mail	andre.nel@siliconsmelters.co.za				<u> </u>
						L. L
	CONTACT PER	SON DETAILS				
1	Title	Mr	600 - 200 -			Commence of the control of the contr
2	Name	Cornelius Muller				
3	Surname	Bester				
4	Telephone					
	Area/cell code	+ 2 7 (0) 1 3	Number	6 9 0 - 8 2 4 5	Ext	
.5	Cell Phone Num	ber + 2 7 (0) 8 2	Mondage	9 0 3 - 7 9 7 6		
.6	Area/cell code Fax	T   Z   I  (U)   0   Z	Number	9 0 3 - 7 9 7 6	_	
	Area/cell code	+ 2 7 (0) 1 3	Number	6 9 0 - 8 3 8 0	Ext	
.7	E-mail	nellis.bester@siliconsmelters.co.za			_	<del></del>
.8	D	Of Communication E-mail				

## **Declaration by applicant** (or person who was granted power of attorney by the applicant)

Surname of delegated person:		Title:
BESTER		M R
Initials:	CM	
ID Number:	7 1 0 6 0 8 5 0	0 4 0 8 1
		- Bester- FULL NAME(S)) hereby declare that the information provided by me/us in this
application form is, to the best of my/et	er knowledge, true and correct.	
10		
		013 690-8245
Signature General Manager	Thumb pri	int Contact number during office hours 2012-08-22
Designation of signatory		Date (ccyy/mm/dd)

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

	Mark	with an X which	n of the following doc	uments h	ave been submi	tted with this applica	tion
	$\boxtimes$	DW760 NWA-Se	ection 21(a)		DW768 NWA-Sec	tion 21(i)	
		DW761 NWA-Se	ection 21(b)		DW780 NWA-Sec	ion 21(h)	
		DW762 NWA-Se	ection 21(b)	$\boxtimes$	☑ DW805 NWA-Section 21(j)		
		DW763 NWA-Se	ection 21(c)		DW806 NWA-Section 21(k)		
		DW764 NWA-Se	ection 21(d)	$\boxtimes$			
		DW765 NWA-Se	ection 21(e)				
		DW766 NWA-Section 21(f)			DW903 Actual/Monitored waste discharge details NWA-Section 21(f/h		
	$\boxtimes$	DW767 NWA-Se	ection 21(g)	$\boxtimes$		nitored waste discharge det	•
B.	THIS	SECTION IS F	RESERVED FOR OF	FICE US	E ONLY		
- 00×100 - 1111		SECTION IS F	RESERVED FOR OF	FICE US	E ONLY		THE CONTRACT OF THE CONTRACT O
.1				FICE US	E ONLY		
3.1	Billing	g information	ing*	FICE US	E ONLY		
8. 3.1 3.1.1	Billing * Water 01 Limp 02 Luvu	g information  WMA for billi Management Area o popo uvhu/Letaba codile (W), Marico	ing*	09 Mid 10 Lov 11 Mvc	dle Vaal ver Vaal ti-Umzimkulu	13 Upper Orange 14 Lower Orange 15 Fish-Tsitsikamma 16 Gouritz	17 Olifants/Doorn 18 Breede 19 Berg
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·	DW758
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#### SUPPLEMENTARY WATER USE INFORMATION PROPERTY WHERE WATER USE OCCURS

DW901 serves to address the following: The property (or properties) where water use(s) is to take place.

- •Complete one DW901 form for each property impacted / applicable to a water use registration application.
- •Should more than one property owner be applicable to a "property where water occurs" an additional DW902 must be completed for each additional property owner.

1.	PROPERTY WHERE WATER US	SE(S) OCCURS						
1.1	Property where water use takes place (farm, stand or community): description as per the Deeds Act if applicable, or name of agricultural holding, farm, township, town or city.						of	
	REMAINING EXTENT OF PORTION 60 OF THE FARM JOUBERTSRUST 310 JS							
	Registration Date (ccyymmdd):	2 0 0 0 0 5 1 8					ermedia de Aremandro Parcello III e Policia de la media de Aremandro Parcello III e Policia de la media de Arem	
1.2	Property Type (mark only one with an X)							
	☐ Agricultural Holding		П	Erf				
	Exclusive Use Areas (EUA)		$\boxtimes$	Farm				
	☐ Sectional Scheme (To Obtain EUA)				n units)			
	☐ Sectional Scheme Unit			Township	,			
	☐ Unspecified			Unsurveyed				
1.3	If the manufacture to			ŕ				
1.3		If the property type is unsurveyed, complete the following:						
	a) Surname and initials of leader of village,	community or tribal authority				<u> </u>	<del></del>	
		P. C.			Initials	L		
	b) Local Authority	811—1186 — — — — — — — — — — — — — — — — — — —					····	
		0.1						
	c) Magisterial District	&/or						
	of Magisteria District							
	t	&/or						
	d) Tribal Authority/Council							
1.4	If the property type is not equal to unsur					<b>****</b>		
	a) Deeds Office PRETORIA	1	<del></del>					
	b) Registration Division JS		·					
	.,							
	c) Property No (i.e. Farm No./Erf No./Holdin	ng Area No./Scheme No.) 310	)			· · · · · · · · · · · · · · · · · · ·		
	DEMAININ	O EVIENT OF DODITION OF						
	d) Portion of Property REMAININ	G EXTENT OF PORTION 60						
	a) Title Dood Number T4136/200	9						

Owner Share Value %	100
nd Property To:	CURRENT
Property Owner a Relationship Date From:	2009
Property Owner Document Number (Owner's Title Deed Reference Number)	T4136/2009
Property Owner Name	SILICON SMELTERS (PTY) LTD
	1998/19036/07
Number or	195
	Property Owner and Property Relationship Date From: To:

l deci	are that the property information	given by me for regist	ering this Water Use is tr	ue and correct.	
Signa	ture (A)	Date (cc	yymmdd)	Thumbp	orint (only if requested)
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## SUPPLEMENTARY WATER USE INFORMATION PROPERTY WHERE WATER USE OCCURS

DW901 serves to address the following: The property (or properties) where water use(s) is to take place.

- Complete one DW901 form for each property impacted / applicable to a water use registration application.
- •Should more than one property owner be applicable to a "property where water occurs" an additional DW902 must be completed for each additional property owner.

1.	PROPERTY WHERE WATER US	SE(S) OCCURS		·			
1.1	Property where water use takes place (farm, stand or community): description as per the Deeds Act if applicable, or name of agricultural holding, farm, township, town or city.						
	PORTION 101 OF THE FARM JOUBER	TSRUST 310 JS		7 A A A A A A A A A A A A A A A A A A A			
	Registration Date (ccyymmdd):	2002051	3				
1.2	Property Type (mark only one with an X)						
	☐ Agricultural Holding		□ Erf				
	☐ Exclusive Use Areas (EUA)		☐ EII				
	☐ Sectional Scheme (To Obtain EUA)		<del></del>	La_t			
	☐ Sectional Scheme Unit		<ul><li>☐ Sectional Scheme (to o</li><li>☐ Township</li></ul>	iotain units)			
	☐ Unspecified		☐ Unsurveyed				
1.3			- Chibantejea				
	If the property type is unsurveyed, comp  a) Surname and initials of leader of village,  b) Local Authority			Initials			
	c) Magisterial District	&/c	or 				
	d) Tribal Authority/Council	&/c	or				
.4	if the property type is not equal to unsur	reved complete the followin	M.				
	a) Deeds Office PRETORIA	cyca, complete the followill	y.				
			11-12-11-11-11-11-11-11-11-11-11-11-11-1				
	b) Registration Division JS						
	c) Property No (i.e. Farm No./Erf No./Holdin	g Area No./Scheme No.)	310				
	d) Portion of Property 101						
	e) Title Deed Number T4137/2009						

				Owner Share Value %		100	
			The second and second s	id Property	То:	CURRENT	
5 0 0 1 0 1 atal)	8		AA DOOR HAA AA	Property Owner and Property Relationship Date	From:	2009	
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3 0 0 0 0 0 ioe (T = Pretoria, F = Free State olding Area No./Sheme No.)	Measure Unit:	n X) value) less than 100%)	<b>IP</b>	unity			
yor-General Cadastral Code $\frac{2}{2}$ - $\begin{bmatrix} 0 & 0 & 1 &   S \\ 0 & 0 &   J &   S \end{bmatrix}$ - $\begin{bmatrix} 0 & 0 & 0 &   J \\ 0 & 0 &   J &   S \end{bmatrix}$ - $\begin{bmatrix} 0 & 0 & 0 &   J \\ 0 & 0 &   J &   S \end{bmatrix}$ - $\begin{bmatrix} 0 & 0 &   J \\ 0 &   J &   S \end{bmatrix}$ - $\begin{bmatrix} 0 &   J \\ J &   J &   J \\ J &   J &   J &   J \\ J &   J &   J &   J &   J \\ J &   J &   J &   J &   J \\ J &   J &   J &   J &   J \\ J &   J &   J &   J &   J \\ J &   J &   J &   J &   J \\ J &   J &   J &   J &   J \\ J &   J &   J &   J &   J \\ J &   J \\ J &   J &   J \\ J &   J \\ J &   J &   J \\ J$	8 1 4 7	Ownership of the property (mark only one with an X)  R Property owned by applicant (100% Share value)  Property owned by applicant (Share value less than 100%)	PROPERTY OWNER RELATIONSHIP	Company, Business, Partnership or Comm (Business Enterprise Registration Number)		1998/19036/07	
f) Surveyor-General Cadastral Code  1 1. Refers to the Surveyor' 2. Major Code (Registratic 3. Minor code 4. Property No (i.e. Farm 5. Portion Number Note: All fields "left padded i	Property Area Size	Ownership of the prop  R Property owned	PROPERTY OWN	Individual (Identity Number or Passanart Number)	(South and a second a second and a second a second and a second a second and a second a second and a second and a second a second a s		
	1.5	9.	2.	Individua	odesa .		

Page 2

3.	DECLARATION BY APPLICANT (o		
	I declare that the property information given by m Signature	e for registering this Water Use is true and correct Date (ccyymmdd)	ct. Thumbprint (only if requested)
4. Received by:	FOR OFFICE USE ONLY		
Surname Initials Position / Ra			
Captured on Captured by: Surname	NRWU database (ccyymmdd)		
Initials Signature			
		and discussional	Date stamp of receiving office
Quality Assul Surname Position / Ra	ance Executed by:	Initials	
Signature		Date (ccyymmdd)	





#### SUPPLEMENTARY WATER USE INFORMATION DETAILS OF PROPERTY OWNER

Should more than one property owner be applicable to a 'property where water use occurs', an additional DW902 must be completed for each additional property owner.

1.	DETAILS OF PROPERTY	OWNER		
1.1	Nature of property owner (mark or Individual (complete 1.2)  ☑ Company, business, partnershi ☐ National Department (complete	p or community (complete 1.3)	☐ Water Se	I Department (complete 1.5) rvices Provider (complete 1.6) er Association (complete 1.7)
1.2 1.2.1	If property owner is an individual Suma me		Maiden Name	
	Initials	Title	Position or off	icial status
	Marital Status (mark only one):	<ul><li>☐ Married In Community Of F</li><li>☐ Unmarried</li></ul>	<sup>2</sup> roperty	☐ Married Out Of Community Of Property
1.2.2	If holder of South African ID: ID Number			
1.2.3	If not holder of South African ID:			
	Passport No.			
	Expiry Date (ccyymmdd)		1 1	11
	Country of issue		ASS	
1.3	If the property owner is a company	y, business, partnership or com	munity:	
1.3.1	Name of company, business, partn		•	
	SILICON SMELTERS (PTY) LT[		·	
1.3.2	Trading name if different from name	e of company, business, partnersh	nip or community;	
	N 1974 AP AREA I THE THE AMERICAN SERVICE STREET AND THE SERVICE STREET STREET AND ASSESSMENT ASSES		7.7.	
1.3.3	Type of Enterprise (mark only one	with an X)		
	☐ 06 Public Company (Ltd)	07 Private Company	(Pty) Ltd	☐ 08 Article 21 (Association inc under Section 21)
	09 Limited By Guarantee	☐ 10 External Compan	у	11 External Company under Article 21
	20 Transvaal Ordinance	21 Incorporated (Inc)	)	22 Unlimited
	23 Close Corporation (CC)	Parastatal		☐ Trust
	☐ Other [i.e. Non-CIPRO Com	pany Types (e.g. Churches, Sc	hools, Communi	ty Groups, etc.) excluding Trust & Parastatal]

		7,7,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1		10	
1.3.4	Business Enterprise Registration Number	9 8 / 1 9	0 3 6 / 0 7		
1.3.5	Date Established (ccyymmdd)	1 9 9 8 0	9 2 5		
	Country Where Established			**************************************	
1.4 1.4.1	If the property owner is a National Department National Department Name:	ıt:			
1.5 1.5.1	If the property owner is a Provincial Departm Province:	ent:			
1.5.2	Provincial Department Name:				
1.6 1.6.1	If the property owner is a Water Services Pro Name of WSP:	vider:			
1.7 1.7.1	If the property owner is a Water User Association Name of WUA:	tion:			
1.8	Postal Address:				
	P.O. BOX 214	WILL THE CONTROL OF T	P New York Control of the Control of		
	EMALAHLENI (WITBANK)				
		100 100 100 100 100 100 100 100 100 100		Postal Code	1 0 3 5
1.9	Street Address (only if different from postal a	ddress):		4	
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	EMALAHLENI				
				Postal Code	1 0 3 5
1.10	Contact Telephone Number During Office Hou	ırs			
	L	) 1 3 Number	6 9 0 - 8 2 4	5 Ext	
	Alternative contact number Area/cell code	) 1 3 Number	6 9 0 - 8 2 6 3	B Ext	

	Property owner or delegated per Surname BESTER Initials CM ID number 7 1 0	Title	e MR
	Surname BESTER Initials CM ID number 7 1 0	Title	e MR
	ID number 7 1 0		e MR
		6 0 8 5 0 0 4 0 8	
	Marka tallan (O. H. Act		
	If not a holder of South African	D:	
	Passport No.		
	Expiry Date (ccyymmdd)		
	Country of issue		
	Position or official status: GENERAL MANAGER		
	related to this application.  Signature	Date (ccyymmdd)  2 0 1 2 0 8 2 2	Thumbprint (only if requested)  .
1942	LIST OF ATTACHED DO	CUMENTS (mark each document type a	attached with an X)
	☐ Certified copy of identity docur		
		er Document [refer Section 2 of DW901 (Property Title	e Deed or Deeds printout)].
	[ A 42 1 -:	ent (refer paragraph 1.6 of DW901)	

A. FOR OFFICE USE ONLY  Received by: Surname  Initials Position / Rank Signature  Captured on NRWU database (ccyymrndd) Captured by: Surname  Initials Signature  Oale stamp of receiving office  Position / Rank Signature  Date (ccyymrndd)  Date (ccyymrndd)		
Surname Initials Position / Rank Signature  Captured on NRWU database (ccyymrndd) Captured by: Surname Initials Signature  Date stamp of receiving office  Quality Assurance Executed by: Surname Initials Position / Rank	4. FOR OFFICE USE ONLY	
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Captured by: Surname Initials Signature  Quality Assurance Executed by: Surname Initials Position / Rank		
Surname  Initials  Signature  Date stamp of receiving office  Quality Assurance Executed by:  Surname  Initials  Position / Rank	Captured on NRWU database (ccyymmdd)	
Initials Signature  Date stamp of receiving office  Quality Assurance Executed by:  Surname  Initials  Position / Rank		
Signature  Date stamp of receiving office  Quality Assurance Executed by:  Surname  Initials  Position / Rank	Surname	
Signature  Date stamp of receiving office  Quality Assurance Executed by:  Surname  Initials  Position / Rank		
Quality Assurance Executed by:  Surname  Initials  Position / Rank	Initials	
Quality Assurance Executed by:  Surname  Initials  Position / Rank	Signature	
Quality Assurance Executed by:  Surname  Initials  Position / Rank		
Quality Assurance Executed by:  Surname  Initials  Position / Rank		
Surname Initials  Position / Rank	Ouglity Assurance French dilay	Date stamp of receiving office
Position / Rank		
	Somane	Initials
Signature Date (ccyymmdd)	Position / Rank	
	Signature	Date (ccyymmdd)



Registration /	Licensing

Part 2

# Section 21(a) of the National Water Act TAKING WATER FROM A WATER RESOURCE

1.	WATER USE DETAILS				
1.1	Have you already registered a water use with the Department of Water Affairs and Forestry?		Yes Registration Number: Water Use Number: Licence Related WU		No
	•		RLA Reference  NRWU Licence Number		
			Licence Namber		
			RLA Business Unit		
	(NRWU = National Register of Water Use; RLA = Responsi	ble Lice	ensing Authority; WU = Water Use)		
.2	Applicant Type (mark only one block with X)  Individual (complete 1.3)  Company, business, partnership or community (complete 1.4)  National Department (complete 1.5)	Water	ncial Department (complete 1.6) Services Provider (complete 1.7) User Association (complete 1.8)		
.3 .3.1	If the applicant is an individual  Title Surname		Initials	T	
.3.2	South African ID (if holder of South African Id) alternatively Passport Num ID Number or Passport Number	ber:			
	Passport Expiry Date (ccyymmdd)  Passport Country Of Issue				
emanus de la	For office use only Allocated Reg. No. WUN			National Association of Management	1

	If the applicant is a company, business, par	tnership or community:	
1.4.1	Name of company, business, partnership or	community:	
	SILICON SMELTERS (PTY) LTD - RAND	CARBIDE	
1.4.2	Business Enterprise Registration Number	9 8 / 1 9 0 3 6	/ 0 7
1.4.3	Date Established (ccyymmdd)	1 9 9 8 0 9 2 5	
	Country Where Established	REPUBLIC OF SOUTH AFRIC	CA CALLED CONTRACTOR C
1.5 1.5.1	If the applicant is a National Department: National Department Name:		
i.6 1.6.1	If the applicant is a Provincial Department: Province:		
1.6.2	Provincial Department Name:		
1.7 1.7.1	If the applicant is a Water Services Provider Name of WSP:	:	
i.8 1.8.1	If the applicant is a Water User Association: Name of WUA:		
	De	claration by applica	nt white property
(FUL	ete the words that are not applicable I/w		is application form is, to the best of my/our
(FUL	ete the words that are not applicable l/w L NAME(S)) hereby declare that the infor	nation provided by me/us in th	is application form is, to the best of my/our  013 690 8245
(FUL knov	ete the words that are not applicable l/w L NAME(S)) hereby declare that the infor		

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

2.	SUCCESSION/TRANSFER AND SOURCE PART 2 DETAILS
2.1	Is this a Succession or a Transfer related Water Use?  (Mark only one box with an X)  Yes  No
2.2	If yes, mark with an X the Succession / Transfer Type
	☐ Permanent Transfer ☐ Succession in Title
2.3	Source Register Number WU Number
	Source Register Number WU Number
	Source Register Number WU Number
3.	WATER RESOURCE INFORMATION
J.	WATER RESOURCE INFORMATION
3.1	Name of water resource SPRING
3,2	Name or reference number of CONVEYOR PO SERVING
3.3	abstraction point (if any)  Type of water source  River / stream Spring / Eye Borehole Dam Estuary
	(mark only one with X)  Wetland  Lake  GWS (scheme)  Boreholes And Windmills On Government Land
	If water source is government water scheme, give the name:
	in water source is government water screene, give the matte.
3.4	Geographic location of the abstraction point
Latitude	S
Longitude	E
	Datum Type:   Cape (Modified Clarke 1880)   WGS-84
3.5	Reliability of water resource (mark only one with an X)
	Water always available ☐ Dry during certain seasons ☐ Frequently Dry
3.6	Quaternary Drainage Region  B 1 1 K
4. [	DESCRIPTION OF WATER USE
4.1	Colon only and Millander, proposed the Millander of the M
7.1	Select only one WU sector – purpose of the WU: (NB: Complete a separate DW760/773 form for each sector if more than one is applicable)  Agriculture: Aquaculture  Power Generation (also complete DW788)
	<ul> <li>☐ Agriculture: Aquaculture</li> <li>☐ Power Generation (also complete DW788)</li> <li>☐ Agriculture: Irrigation (also complete form DW787)</li> <li>☐ Recreation</li> </ul>
	☐ Agriculture: Watering Livestock ☐ Schedule 1
	☐ Urban (excl. Domestic &/or Industrial)
	☐ Mining (also complete form DW788) ☐ Water Supply Service (also complete form DW789)

DW760 4.2 Period of water use Date of first use or proposed first use End date (if applicable) (ccyymmdd) (ccyymmdd) Volume of water abstracted (\*minus a realistic estimate of the transmission losses in the case of a WUA / WSP related water use) 4.3 \*WU /WSP: Transmission Loss (taken into account i.r.o gross volume) Start date (ccyymmdd) Volume Time interval (mark only one with X) a) 2 0 1 1 0 7 0 1 □ Daily  $m^3$ ☐ Monthly 952.8 % 6 6 6 b) □ Daily m³ ☐ Annually % c)  $m^3$ □ Daily ☐ Annually ☐ Monthly % 4.4 Estimated water abstraction pattern: in total cubic meters ☐ or % per month Jan 144.4 Apr 14.4 Jul 14.4 Oct 144.4 Feb 144.4 May 14.4 Aug Nov 14.4 144.4 Mar 144.4 Jun 14,4 Sep Dec 14.4 144.4 4.5 Method of abstraction (mark with an X the abstraction method currently used or to be installed) □ Pump \* ☐ Canal Gravity or outlet pipe Other (specify) \*\* \* Also complete supplementary form DW784pmp ('Taking water from a water resource - pump technical data'), if 'pump' was selected. \*\* If the method of abstraction is not PUMP / CANAL / GRAVITY OR OUTLET PIPE, please define method utilised: 4.6 Number of households served with water (if known) 0 Is this water provided by a Water User Assosiation or Water Services Provider? 4.7 WUA WSP Name of Water User Assosiation / Water Services Provider: 4.8 5. EXISTING AUTHORISATION AND REGISTRATION (PERMIT INFORMATION) 5.1 Existing permit information Permit number Date (ccyymmdd) Permit No. Permit No. Permit No. Permit No. Permit No. Permit No. 5.2 If water use takes place in terms of the General Authorisation, mark with an X 

Date(s) from which	applicable GA is/was applicable to this	water use	
South African Act:	fr - N-thIMIda-A-1/A-1N	Applicable section of	
	[E.g. National Water Act (Act No.	36 of 1998)]	[E.g. Section 21]
Date From (ccyymmdd)		Government Notice No.	
Date To (ccyymmdd)  Applicable Section Of The G	eneral Authorisation	Government Notice Date (ccyymmdd)	
Date From (ccyymmdd)	Tilleden han an yeg ye markada kana da markada an	Government Notice No.	
Date To (ccyymmdd)  Applicable Section Of The G	eneral Authorisation	Government Notice Date (ccyymmdd)	
Date From (ccyymmdd)		Government Notice No.	
Date To (ccyymmdd)  Applicable Section Of The G		Government Notice Date (ccyymmdd)	
	All and the second seco		
If an authorisation has bee Law /Regulation	n issued under other legislation		
	n issued under other legislation		
Law /Regulation ·			
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ☒ No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ⊠ No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ⊠ No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ⊠ No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ⊠ No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ⊠ No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		Yes No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ⊠ No	
Law /Regulation  SUBSIDY DETAILS  Resource Poor Farmer (RPF		☐ Yes ☒ No	

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Froperty Name	Surveyed Property	oeth	Unsurveyed property.	Property Relationship Date
PORTION 101 OF THE	Title Deed Number	T4137/2009	Sumame of the Leader of Village, Community or Tribal Authority	TIOIL
FARM JOUBERTSRUST 310 JS	Surveyor-General Cadastral Code	T0JS000000000310001	Initial of the Leader of Village, Community or Tribal Authority	
	Property Number	310	Local Authority (if applicable)	2009 CURRENT
	Portion of property	101	Magisterial District (if applicable)	- Chickenson
			Tribal Authority/Council (if applicable)	
	Title Deed Number	-advadveljaddindasieddindasteraddisaddendeljasiesbaddindischadsteraddindasteraddindasteraddindasterad	Sumame of the Leader of Village, Community or Tribal Authority	
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority	
	Property Number		Local Authority (if applicable)	
	Portion of property		Magisterial District (if applicable)	
			Tribal Authority/Council (if applicable)	
	Title Deed Number	descriptions of the service of the s	Sumame of the Leader of Village, Community or Tribal Authority	The state of the s
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority	
	Property Number		Local Authority (If applicable)	
	Portion of property.		Magisterial District (if applicable)	
			Tribal Authority/Council (if applicable)	
	Title Deed Number		Sumame of the Leader of Village, Community or Tribal Authority	
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority	
	Property Number		Local Authority (if applicable)	h.h.aaavanimuseveenee
	Portion of property	**************************************	Magisterial District (if applicable)	
	The second of th			

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8.1 8.1.1	List of attached forms and documents
0.1.1	Supplementary forms attached with this form (mark with an X)
	<ul><li>☐ DW787: Irrigated Field and Crop Information</li><li>☐ DW788: Power Gemeration, Industrial or Mining Use</li></ul>
	DW789: Domestic, Urban, Commercial or Industrial Use
8.1.2	Specify the number of other documents submitted with this form (mark with an X)
	☐ Environment impact assessment
	Other: (specify)
	Other: (specify) D W
	Other: (specify)
	Other: (specify)
	E. Guldi, (opcony)
.2	Succession transfer and source Part 2 details
	Source Register number WU Number WU Status to be allocated WU Close Date (if applicable)
	(ccyymmdd)
3	Billing Information
	Start date (ccyymmdd) End date (ccyymmdd)
3.1	Start date (ccyymmdd) End date (ccyymmdd Applicant to be billed as An Individual Via a WUA / WSP
.3.1 .3.2	Applicant to be billed as An Individual VIa a WUA / WSP  Applicant to be charged On actual volume Registered volume
.3.1 .3.2 .3.3	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly
3.1 3.2 3.3	Applicant to be billed as An Individual Via a WUA / WSP  Applicant to be charged On actual volume Registered volume  Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP
.3.1 .3.2 .3.3	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly
3.1 3.2 3.3	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP
.3.1 .3.2 .3.3	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP
3.1 3.2 3.3 3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes  Start date (ccyymmdd)  Monthly  Is date (ccyymmdd)  Monthly  Is WUA / WSP  Is WUA / WSP a Billing Agent?
.3.1 .3.2 .3.3 .3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No  Billing Agent's Register Number
.3.1 .3.2 .3.3 .3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:
.3.1 .3.2 .3.3 .3.4	Applicant to be billed as An Individual VIa a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:  Name of Customer  Bulk-Bill-to-Party Register Number
.3.1 3.2 .3.3 3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:  Name of Customer  Bulk-Bill-to-Party Register Number  Water Resource Information
3.1 3.2 3.3 3.4	Applicant to be billed as An Individual VIa a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:  Name of Customer  Bulk-Bill-to-Party Register Number  Water Resource Information  If water source is a Government Water Scheme,
3.1 3.2 3.3 3.4 3.5	Applicant to be billed as An Individual VIa a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Monthly If to be billed via a WUA / WSP Name of WUA / WSP Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following: Name of Customer  Bulk-Bill-to-Party Register Number If water source Information If water source is a Government Water Scheme, give the GWS name:
3.1 3.2 3.3 3.4	Applicant to be billed as An Individual VIa a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:  Name of Customer  Bulk-Bill-to-Party Register Number  Water Resource Information  If water source is a Government Water Scheme,

DW760 8.6 Late Registration Penalty Is this a late registration? ☐ Yes ☐ No If yes, mark with an X, the applicable penalty to be levied ☐ R300.00 **OR** 10% (ten percent) of the annual water use charge outstanding at the date of registration which ever is greater Specify the penalty amount payable ☐ Waive penalty File number Water Use Register Number Received by: Surname Initials Position / Rank Signature Captured on NRWU database (ccyymmdd) Capured by: Surname Initials Signature

Date stamp of receiving office



## water affairs

Department: Water Affairs REPUBLIC OF SOUTH AFRICA

CONVEYOR

#### SUPPLEMENTARY WATER USE INFORMATION

# TAKING WATER FROM A WATER RESOURCE POWER GENERATION, INDUSTRIAL OR MINING USE

		DOUTHIAL OR WINNING (	Jac
1. II	NDUSTRIAL ACTIVITIES		
1.1		VISHING	SIC code
	NUAL CONSUMPTION FOR INDUSTRIAL  The total amount of water abstracted per year is  The total volume for industrial use per year  Estimated volume for industrial use five years hence  The total volume for domestic use per year (if any)  The number of people supplied with domestic water	PROCESSES  952.8 952.8 952.8	cubic metres cubic metres cubic metres cubic metres

FOR OFFICIAL USE ONLY				
File number				
Water use licence or registration number	er			
Water Management Area				
Received by:				
Surname	Initials			
Rank				
Signature				
Captured by:				
Initials		The second secon		
		***************************************		
		Date stamp of receiving office		



water affairs Department: Water Affairs REPUBLIC OF SOUTH AFRICA

### CONVEYOUR SUPPLEMENTARY WATER USE INFORMATION TAKING WATER FROM A WATER RESOURCE

FOMF TECHNICAL DATA					
1. PUMP IDENTIFICATION					
1.1 Pump number (if more than one, enter a sequence number starting from 001) [0 0 1					
1.2 Installation date					
1.3 Geographic location of the pump (use one format only)					
E 0   or S   1   1   Cape datum Clarke   E 0   or S   2   5   1   3   4   4   Cape datum Clarke   X					
2. PUMPING HOURS					
2.1 Maximum pumping hours per week					
3. PUMP DATA					
3.1 Pump type (mark one with X)					
a) Centrifugal b) Positive displacement c) Turbine d) Axial flow					
3.2 Pump model					
3.3 Pulley diameter					
3.4 Speed					
3.5 Impeller size (only for a centrifugal pump)					
3.6 Suction hose					
3.6.1 Hose material					
3.6.2 Hose diameter					
3.0.3 Hose length					
.7 Type of flow meter (mark one with X)					
a) Inline b) Bypass c) Doppler effect d) None e) Other (specify below)					
.8 Pressure gauge reading At inlet = m At outlet = m					
Land to the state of the state					

Field Code Changed

4.1	Power source type (mark one with X)				
	a) Electric b) Diesel c	) Petrol	d) Tractor	e) Wind	
	f) Other (specify)			<u> </u>	
4.2	Model				
4,3	Pulley diameter				mm
4.4	Speed				rpm
4.5	Coupling:				
a)	Type (mark one with X)				
	V-belt Flat belt Gearbo	ox Dir	rect Oth	er (specify below)	
b)	For gearbox coupling or direct coupling, enter the	ratio			
4.6	Power rating				kW
5. PU	MP OPERATION				
		Maximum	Maximum	Average	
5,1	Discharge	pressure	discharge	operation	15. 1
5.2	Suction height				litres / second
5.3	Static height				metres
5.4	Working height				metres metres
5.5	Friction height				metres
5.6	Other losses				metres
5.7	Total head				metres
5.8	Efficiency				%
5.9	Power absorbed				kilowatts
5,10	Ammeter reading				amps
6. BC	REHOLE INFORMATION (where applicable)				
6.1 a) Borehole number					
b) Geographic location of the borehole, if different from pump					
S	S				
6.2 Yield of borehole litres / second					
6.3 I	Pepth of borehole		<b>L</b>	m	etres
6.4 F	revious authorisation or licensing reference				
0.4 Flevious audionisation or licensing reference					

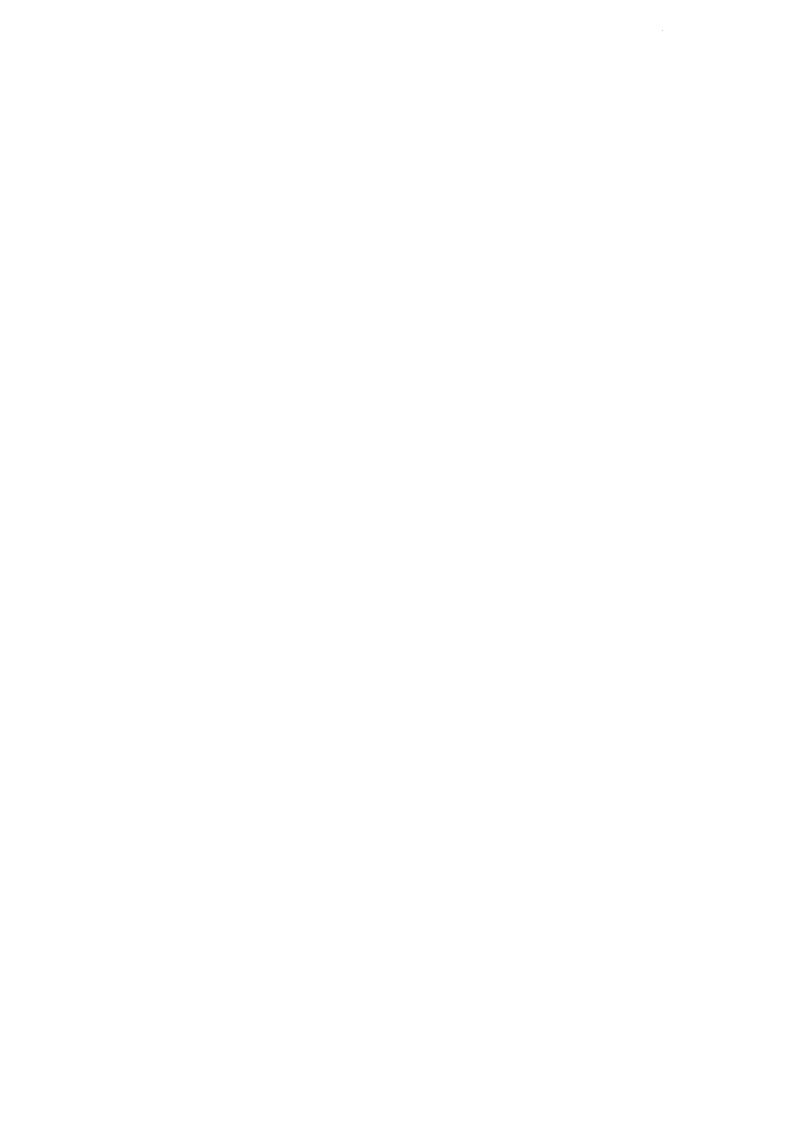
Field Code Changed

S-abs(pmp)

version 1 of 2009-12-15

4. POWER SOURCE DATA

S-abs(pmp)	
7. ESKOM TRANSFORMER (where applicable)	DW784
7.1 a) ESKOM reference number	
b) Geographic location of the transformer, if different from pump	
S	Cape datum Clarke WGS-84 datum
7.2 Power rating of the transformer	kVA
FOR OFFICIAL USE ONLY	
File number	
Water use licence or registration number	<u> </u>
Water Management Area	
Received by:	
Surname Initials	
Rank	
Signature	
- South	
Captured by:	
Initials	
	Date stamp of receiving office





Registration / Licensing

Part 2

### Section 21(a) of the National Water Act TAKING WATER FROM A WATER RESOURCE

1.	WATER USE DETAILS		
1.1	Have you already registered a water use with the Department of Water Affairs and Forestry?		Yes Registration Number:  Water Use Number:  Licence Related WU
			RLA Reference  NRWU Licence Number
			RLA Business Unit
	(NRWU = National Register of Water Use; RLA = Responsi	ble Lice	ensing Authority; WU = Water Use)
1.2	Applicant Type (mark only one block with X)  ☐ Individual (complete 1.3) ☐ Company, business, partnership or community (complete 1.4) ☐ National Department (complete 1.5)	Water	ncial Department (complete 1.6) Services Provider (complete 1.7) User Association (complete 1.8)
1.3 1.3.1	If the applicant is an individual Title Surname		Initials
.3.2	South African ID (if holder of South African Id) alternatively Passport Num ID Number or Passport Number  Passport Expiry Date (ccyymmdd)  Passport Country Of Issue	ber:	
	For office use only	and the second second second second	

1.4	If the applicant is a company, business, partn	ership or community:	
1.4.1	Name of company, business, partnership or co	mmunity:	
	SILICON SMELTERS (PTY) LTD - RAND CA	ARBIDE	
1.4.2	Business Enterprise Registration Number	9 8 / 1 9 0 3 6	/ 0 7
1.4.3	Date Established (ccyymmdd)	1 9 9 8 0 9 2 5	
	Country Where Established	REPUBLIC OF SOUTH AFR	IICA
1.5 1.5.1	If the applicant is a National Department:  National Department Name:		
1.6 1.6.1	If the applicant is a Provincial Department: Province:		
1.6.2	Provincial Department Name:		
1.7 1.7.1	If the applicant is a Water Services Provider: Name of WSP:		
1.8 1.8.1	If the applicant is a Water User Association: Name of WUA:		
(FULI	e the words that are not applicable I/we	Slaration by application by specification by specification by specification by specification provided by me/us in the specification by specifi	
Signa		Thumb print	. 013 690 8245  Contact number during office hours
GEN	ERAL MANAGER	-	2012-08-22 Date (ccyy/mm/dd)
Desi	gnation of signatory		Баге (ссуулттично)

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

2.	SUCCESSION/TRANSFER AND SOURCE PART 2 DETAILS
2.1	Is this a Succession or a Transfer related Water Use?  (Mark only one box with an X)  Yes  No
2.2	If yes, mark with an X the Succession / Transfer Type
	☐ Permanent Transfer ☐ Succession in Title
2.3	Source Register Number WU Number
	Source Register Number WU Number
	Source Register Number WU Number
3.	WATER RESOURCE INFORMATION
3.1	Name of water resource SPRING
3.2	Name or reference number of ELIDMAGE ESPRING
3.3	austraction point (II any)
	(mark only one with X)
	— — — — — — — — — — — — — — — — — — —
	If water source is government water scheme, give the name:
3.4	Geographic location of the abstraction point
Latitude	S or S 2 5 ° 5 1 8 1 3 ,
Longitude	E
	Datum Type:   Cape (Modified Clarke 1880)   WGS-84
3.5	Reliability of water resource (mark only one with an X)
	☑ Water always available   ☐ Dry during certain seasons   ☐ Frequently Dry
3.6	Quaternary Drainage Region  B 1 1 K
4. C	DESCRIPTION OF WATER USE
4.1	Select only one WU sector – purpose of the WU: (NB: Complete a separate DW760/773 form for each sector if more than one is applicable)
	☐ Agriculture: Aquaculture ☐ Power Generation (also complete DW788)
	Agriculture: Irrigation (also complete form DW787)
	Agriculture: Watering Livestock
	☐ Industrial (also complete form DW788) ☐ Urban (excl. Domestic &/or Industrial)
	☐ Mining (also complete form DW788) ☐ Water Supply Service (also complete form DW789)

4.2	Period of water use
	Date of first use or proposed first use 2 0 1 1 0 7 0 1 End date (if applicable) (ccyymmdd)
4.3	Volume of water abstracted (*minus a realistic estimate of the transmission losses in the case of a WUA / WSP related water use)
	*WU /WSP: Transmission Loss
	(taken into account i.r.o gross volume)
	Start date (ccyymmdd) Volume Time interval (mark only one with X)
	a) 2 0 1 1 0 7 0 1 237.6 m³ 🗆 Daily 🗀 Monthly 🖾 Annually 📗 1 6 . 7 %
	b)
	c) Monthly Annually %
4.4	Estimated water abstraction pattern: in total cubic meters
	Jan 36 Apr 3.6 Jul 3.6 Oct 36
	Feb         36         Aug         3.6         Nov         36
	Mar 36 Jun 3.6 Sep 3.6 Dec 36
4.5	Method of abstraction (mark with an X the abstraction method currently used or to be installed)
	* Also complete supplementary form DW784pmp ('Taking water from a water resource pump technical data'), if 'pump' was selected.
	** If the method of abstraction is not PUMP / CANAL / GRAVITY OR OUTLET PIPE, please define method utilised:
4.6	Number of households served with water (if known)
	\
4.7	ls this water provided by a Water User Assosiation or Water Services Provider? WUA WSP
4.8	Name of Water User Assosiation / Water Services Provider:
5.	EXISTING AUTHORISATION AND REGISTRATION (PERMIT INFORMATION)
TOTAL THE PARTY AND ADDRESS OF	
5.1	Existing permit information
	Permit number Date (ccyymmdd)
	Permit No.
5.2	If water use takes place in terms of the General Authorisation, mark with an X
5.2	ii water noe takeo hace in terrio of the delicial vinnonoanon' matk with alt v

<u>Date(</u> s	s) from which applic	able GA is/was applicable to thi	s water use			
South Africa	n Act:		Applicable section	of the act		
		[E.g. National Water Act (Act No.	36 of 1998)]	[E.g. Section 21]		
Date From (ccyymmdd)			Government Notice No.			
Date To (ccy Applicable Se	ymmdd) ection Of The Genera	I Authorisation	Government Notice Date (ccyymmdd)			
Date From (ccyymmdd)			Government Notice No.	Co-Million Market Hall and American Annual Control of the Control		
Date To (ccy)	· \		Government Notice Date (ccyymmdd)			
Applicable Se	ection Of The General	Authorisation				
Date From (ccyymmdd)			Government Notice No.			
Date To (ccyy	mmdd)		Government Notice Date			
Applicable Se	ction Of The General sation has been issue	Authorisation  ed under other legislation	(ccyymmdd)			
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	Property Relationship	Date	To:			CURRENT					e e e e e e e e e e e e e e e e e e e						Australia Austra						
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PROPERIT RELATIONSHIP DETAILS (Complete supplementary forms DVV9U) & DVV9UZ	Surveyed Property			Title Deed Number	Surveyor-General Cadastral Code	Property Number	Portion of property	Andreas and the state of the state and the state of the s	Title Deed Number	Surveyor-General Cadastral Code	Property Number	Portion of property		Title Deed Number	Surveyor-General Cadastral Code	Property Number	Portion of property		Title Deed Number	Surveyor-General Cadastral Code	Property Number	Portion of property	
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Page 6

8.	FOR OFFICE USE ONLY	
8.1	List of attached forms and documents	
3.1.1	Supplementary forms attached with this form (mark with an X)	
	DW787: Irrigated Field and Crop Information	
	DW788: Power Gemeration, Industrial or Mining Use	
	DW789: Domestic, Urban, Commercial or Industrial Use	
.1.2	Specify the number of other documents submitted with this form (mark with an X)	
	Environment impact assessment	
	Other; (specify) D W D W	
	Other: (specify)	
	Other: (specify)	
	Other: (specify)	
2	Succession transfer and source Part 2 details	
	Source Register number WU Number WU Status to be allocated WU Close Date (if applic (ccyymmdd)	able
3	Billing Information	
		nmde
	Start date (ccyymmdd) End date (ccyym	nmde
3.1	Start date (ccyymmdd) End date (ccyym Applicant to be billed as An Individual Via a WUA / WSP	nmde
3.1 3.2	Applicant to be billed as An Individual Via a WUA / WSP  Applicant to be charged On actual volume Registered volume	nmde
3.1 3.2 3.3	Applicant to be billed as An Individual Via a WUA / WSP  Applicant to be charged On actual volume Registered volume	nmde
3.1 3.2 3.3	Start date (ccyymmdd) End date (ccyym Applicant to be billed as An Individual Via a WUA / WSP  Applicant to be charged On actual volume Registered volume  Billing frequency Annually Bi-annually Monthly	nmde
3.1 3.2 3.3	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP	nmdd
3.1 3.2 3.3	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes	nmdd
3.1 3.2 3.3 3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No  Billing Agent's Register Number	nmde
3.1 3.2 3.3 3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No  Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:	nmde
3.1 3.2 3.3 3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No  Billing Agent's Register Number	nmda
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3.1 3.2 3.3 3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:  Name of Customer  Bulk-Bill-to-Party Register Number  If water source is a Government Water Scheme,	nmde
3.1 3.2 3.3 3.4 3.5	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi–annually Monthly  If to be billed via a WUA / WSP Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:  Name of Customer  Bulk-Bill-to-Party Register Number  Water Resource Information	nmde
3.1 3.2 3.3 3.4	Applicant to be billed as An Individual Via a WUA / WSP Applicant to be charged On actual volume Registered volume Billing frequency Annually Bi-annually Monthly  If to be billed via a WUA / WSP  Name of WUA / WSP  Is WUA / WSP a Billing Agent? Yes No Billing Agent's Register Number  If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:  Name of Customer  Bulk-Bill-to-Party Register Number  Water Resource Information  If water source is a Government Water Scheme, give the GWS name:	nmde

☐ R300.00 <b>OF</b> ☐ 10% (ten pe	stration?	□ No  date of registration which ever is greater
File number		
Water Use Register Number Received by: Surname Position / Rank Signature		Initials
Captured on NRWU database (ccyymmdd) Capured by: Surname Signature		Initials
		Date stamp of receiving office



## water affairs

Department: Water Affairs REPUBLIC OF SOUTH AFRICA

# FURNACE E SUPPLEMENTARY WATER USE INFORMATION

TAKING WATER FROM A WATER RESOURCE POWER GENERATION, INDUSTRIAL OR MINING USE

1 -			
1.10	DUSTRIAL ACTIVITIES		
1.1	Description of activities	FINISHING	SIC code
2. AN	NUAL CONSUMPTION FOR INDUSTRI	AL PROCESSES	
	The total amount of water abstracted per year is	[] [] [2] 3 7 . [6]	cubic metres
a) b) c) d)	The total volume for industrial use per year  Estimated volume for industrial use five years hence  The total volume for domestic use per year (if any)  The number of people supplied with domestic water	237.6 237.6	cubic metres cubic metres cubic metres

	FOR OFFICIAL USE ONLY	
File number		
Water use licence or registration numb	per	
Water Management Area		
Received by:		
Surname	Initials	
Rank		
Signature		
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Captured by:		
Initials		
miliais		
		Date stamp of receiving office



### water affairs

Department: Water Affairs REPUBLIC OF SOUTH AFRICA

## FURNACE E SUPPLEMENTARY WATER USE INFORMATION

### TAKING WATER FROM A WATER RESOURCE PUMP TECHNICAL DATA

TOME PEOPLE DATA
1. PUMP IDENTIFICATION
1.1 Pump number (if more than one, enter a sequence number starting from 001)
1.2 Installation date
1.3 Geographic location of the pump (use one format only)
S   ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
2. PUMPING HOURS
2.1 Maximum pumping hours per week  2.2 Total pumping hours per year  7 J h
3. PUMP DATA
3.1 Pump type (mark one with X)
a) Centrifugal b) Positive displacement c) Turbine d) Axial flow e) Other (specify)
3.2 Pump model
3.3 Pulley diameter mm
3.4 Speed
3.5 Impeller size (only for a centrifugal pump)
3.6 Suction hose
3.6.1 Hose material
3.6.2 Hose diameter
3.6.3 Hose length
3.7 Type of flow meter (mark one with X)
a) Inline b) Bypass c) Doppler effect d) None e) Other (specify below)
3.8 Pressure gauge reading At inlet =m At outlet =m

version 1 of 2009-12-15 Field Code Changed

4.1 Power source type (mark one with X)
a) Electric b) Diesel c) Petrol d) Tractor e) Wind
f) Other (specify)
4.2 Model
4.3 Pulley diameter mm
4.4 Speed rpm
4.5 Coupling:
a) Type (mark one with X)
V-belt Flat belt Gearbox Direct Other (specify below)
b) For gearbox coupling or direct coupling, enter the ratio
4.6 Power rating kW
5. PUMP OPERATION
Maximum Maximum Average
pressure discharge operation
5.1 Discharge litres / second
5.2 Suction height metres
5.3 Static height metres
5.4 Working height metres
5.5 Friction height metres
5.6 Other losses metres 5.7 Total head metres
ineties ineties
SD Payer shorted
5 10 Anymotor reading
Litti III amps
6. BOREHOLE INFORMATION (where applicable)
6.1 a) Borehole number
b) Geographic location of the borehole, if different from pump
S or S or S Cape datum Clarke
E 0
6.2 Yield of borehole litres / second
6.3 Depth of borehole metres
6.4 Previous authorisation or licensing reference
sertion 1 of 2009-12-15
b5st3

| S-abs(pmp)

Vertico 1 of 2009-12-15

4. POWER SOURCE DATA

1	S-abs(pmp)	DW784
	7. ESKOM TRANSFORMER (where applicable)	
	7.1 a) ESKOM reference number	
	b) Geographic location of the transformer, if different from pump	
	S	Cape datum Clarke WGS-84 datum
	7.2 Power rating of the transformer	kVA
	FOR OFFICIAL USE ONLY	
	File number	
	Water use licence or registration number	
	Water Management Area	
	Received by:	
	Surname Initials	
	Rank	
	Signature	
	Captured by:	
	Initials	
		Data stamp of recognition offi
-		Date stamp of receiving office



Registration / Licensing

Part 2

## Section 21(a) of the National Water Act TAKING WATER FROM A WATER RESOURCE

1.	WATER USE DETAILS		
1.1	Have you already registered a water use with the Department of Water Affairs and Forestry?		Yes Registration Number: Water Use Number: Licence Related WU
			RLA Reference
			NRWU Licence Number
			RLA Business Unit
	(NRWU = National Register of Water Use; RLA = Responsi	ble Lice	ensing Authority; WU = Water Use)
1.2		Wate	ncial Department (complete 1.6) or Services Provider (complete 1.7) or User Association (complete 1.8)
1.3 1.3.1	If the applicant is an individual Title Surname		Initials
1.3.2	South African ID (if holder of South African Id) alternatively Passport Nur ID Number or Passport Number	nber:	
	Passport Expiry Date (ccyymmdd)		
	Passport Country Of Issue		
Serventing Colorest	For office use onl	<del></del>	
	Allocated Reg. No. WU	No.	

1.4	If the applicant is a company, busines	•	
.4.1	Name of company, business, partners	<u> </u>	
	SILICON SMELTERS (PTY) LTD -	RAND CARBIDE	
.4.2	Business Enterprise Registration Num	ber 9 8 / 1 9 0 3	6 / 0 7
4.3	Date Established (ccyymmdd)	1 9 9 8 0 9 2	5
	Country Where Established	REPUBLIC OF SOUTH A	FRICA
.5 .5.1	If the applicant is a National Department Name:	ent:	
6 .6.1	If the applicant is a Provincial Departr	nent:	
.6.2	Provincial Department Name:		
.7.1	If the applicant is a Water Services Pr Name of WSP:	ovider:	
8 8.1	If the applicant is a Water User Assoc Name of WUA:	lation:	
(FULI	te the words that are not applicabl L NAME(S)) hereby declare that the ledge, true and correct.		
			013 690 8245
		Thumb print	Contact number during office hours

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

2.	SUCCESSION/TRANSFER AND SOURCE PART 2 DETAILS
2.1	Is this a Succession or a Transfer related Water Use?  (Mark only one box with an X)  Yes  No
2.2	If yes, mark with an X the Succession / Transfer Type
	☐ Permanent Transfer ☐ Succession in Title
2.3	Source Register Number WU Number
	Source Register Number WU Number
	Source Register Number WU Number
3.	VATER RESOURCE INFORMATION
3.1	Name of water resource SPRING
3.2	Name or reference number of ELIDNACE E SPRING
3.3	abstraction point (if any)  Type of water source ☐ River / stream ☐ Spring / Eye ☐ Borehole ☐ Dam ☐ Estuary
	(mark only one with X)  Wetland  Lake  GWS (scheme)  Boreholes And Windmills On Government Land
	If water source is government water scheme, give the name:
3.4	Geographic location of the abstraction point
Latitude	S
Longitud	E ° ° 1 3 . 5 4 1
	Datum Type: ☐ Cape (Modified Clarke 1880) ☑ WGS-84
3.5	Reliability of water resource (mark only one with an X)
	☑ Water always available ☐ Dry during certain seasons ☐ Frequently Dry
3.6	Quaternary Drainage Region  B 1 1 K
4.	ESCRIPTION OF WATER USE
4.1	Select only one WU sector – purpose of the WU: (NB: Complete a separate DW760/773 form for each sector if more than one is applicable)
	☐ Agriculture: Aquaculture ☐ Power Generation (also complete DW788)
	☐ Agriculture: Irrigation (also complete form DW787) ☐ Recreation
	☐ Agriculture: Watering Livestock ☐ Schedule 1
	☐ Mining (also complete form DW788) ☐ Water Supply Service (also complete form DW789)

4.2	Period of water use
	Date of first use or proposed first use (ccyymmdd)  [2 0 1 1 0 7 0 1] End date (if applicable) (ccyymmdd)
4.3	Volume of water abstracted (*minus a realistic estimate of the transmission losses in the case of a WUA / WSP related water use)
	*WU /WSP: Transmission Lo
	(taken into account i.r.o gross volun
	Start date (ccyymmdd) Volume Time interval (mark only one with X)
	a) 2 0 1 1 0 7 0 1 237.6 m³
	b)
	c) Daily Monthly Annually %
4.4	Estimated water abstraction pattern: in total cubic meters
	Jan 36 Apr 3.6 Jul 3.6 Oct 36
	Feb 36 May 3.6 Aug 3.6 Nov 36
	Mar 36 Jun 3.6 Sep 3.6 Dec 36
4.5	Method of abstraction (mark with an X the abstraction method currently used or to be installed)
	☐ Pump * ☐ Canal ☐ Gravity or outlet pipe ☐ Other (specify) **
	* Also complete supplementary form DW784pmp ('Taking water from a water resource – pump technical data'), if 'pump' was selected.
	** If the method of abstraction is not PUMP / CANAL / GRAVITY OR OUTLET PIPE, please define method utilised:
4.6	Number of households served with water (if known)
4.7	in this water provided by a Mister Lagr Association or Mister Continue Devides Continue Devides
4.1 4.8	Is this water provided by a Water User Assosiation or Water Services Provider?
-1.0	Tutal of Third Control of The Contro
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5.	EXISTING AUTHORISATION AND REGISTRATION (PERMIT INFORMATION)
	Culting agent information
5.1	Existing permit information  Permit number  Date (ccyymmdd)
	Permit No.
5.2	If water use takes place in terms of the General Authorisation, mark with an X

Date(s) from v	which applicable GA is/was applicable to thi	s water use	
South African Act:		Applicable section of	the act
	[E.g. National Water Act (Act No.	36 of 1998)]	[E.g. Section 21]
Date From (ccyymmdd)		Government Notice No.	
Date To (ccyymmdd)	The Coursel A. (b. ). (f.	Government Notice Date (ccyymmdd)	
	The General Authorisation		
Date From (ccyymmdd)		Government Notice No.	
Date To (ccyymmdd)		Government Notice Date (ccyymmdd)	
Applicable Section Of	The General Authorisation		(1)
Date From (ccyymmdd)		Government Notice No.	
Date To (ccyymmdd)		Government Notice Date (ccyymmdd)	
Appliaghla Castian Of	The Consess Audion to alter		
Charles was made to the Charles and Charle	The General Authorisation as been issued under other legislation		
If an authorisation ha	as been issued under other legislation		
If an authorisation had Law /Regulation  SUBSIDY DETAIL  Resource Poor Farme	as been issued under other legislation	** Yes No	
If an authorisation had Law /Regulation  SUBSIDY DETAIL  Resource Poor Farme	as been issued under other legislation  S  r (RPF)		
If an authorisation had Law /Regulation  SUBSIDY DETAIL  Resource Poor Farme	as been issued under other legislation  S  r (RPF)		
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# (Version 1.1, 16 September 2009)

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Surveyed Property	perty	Unsurveyed property	Prop	Property Relationship Date
			From:	ii.
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FARM JOUBERTSRUST Surveyor-General Cadastral Code	T0JS000000000310001	Initial of the Leader of Village, Community or Tribal Authority	negative analysis and	
Property Number	310	Local Authority (if applicable)	2009	CURRENT
Portion of property	101	Magisterial District (if applicable)		
		Tribal Authority/Council (if applicable)		···
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Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority		
Property Number		Local Authority (if applicable)		
Portion of property		Magisterial District (if applicable)		· · · · · · · · · · · · · · · · · · ·
		Tribal Authorty/Council (If applicable)	errommette may g-	
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Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority	443-441111	
Property Number		Local Authority (if applicable)	ebidacias Administrativa	
Portion of property		Magisterial District (If applicable)	A COLONIA A MINISTERIO DE LA COLONIA DE LA C	
		Tribal Authority/Council (if applicable)	- and All Lemon	Trans different whee
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Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority	and the same of th	FFA-Valority and State
Property Number		Local Authority (if applicable)	normatic restrict to a final	a and the metric of \$1000
Portion of property	WALK THE REPORT OF THE PROPERTY OF THE PROPERT	Magisterial District (if applicable)		e maer to derro autorio e total
		Tribal A thornwy/Control (if applicable)		e=read r==

	FOR OFFICE USE ONLY
1	List of attached forms and documents
1.1	Supplementary forms attached with this form (mark with an X)
	DW787: Irrigated Field and Crop Information
	DW788: Power Gemeration, Industrial or Mining Use
	DW789: Domestic, Urban, Commercial or Industrial Use
1.2	Specify the number of other documents submitted with this form (mark with an X)
	☐ Environment impact assessment ☐ Other: (specify)   D W
	Other: (specify)  Other: (specify)  Other: (specify)  D  W
	Other: (specify)
2	Succession transfer and source Part 2 details
	Source Register number WU Number WU Status to be allocated WU Close Date (if applicable)
	(ccyymmdd)
	<del>▕▕▗▎▗▎▗▎▗</del> ▎ <del>▗</del> ┆▄┼ <del></del>
3	Billing Information
۸.4	Start date (ccyymmdd) End date (ccyymmdd)
3.1	Applicant to be billed as An Individual Via a WUA / WSP
3.2 3.3	Applicant to be charged    On actual volume    Registered volume
3.4	Billing frequency Annually Bi–annually Monthly  If to be billed via a WUA / WSP
J.4	Name of WUA / WSP
	· ·
	Is WUA / WSP a Billing Agent?
	Billing Agent's Register Number
3.5	If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:
	Name of Customer
	Bulk-Bill-to-Party Register Number
4	Water Resource Information
-	If water source is a Government Water Scheme,
	give the GWS name:
5	District Municipality
	District Municipality Name (if applicable)

				16 Tanaharan 1941 (1941   1941   1941   1941   1941   1941   1941   1941   1941   1941   1941   1941   1941		DW760
If yes, mark v	e registration? vith an X, the applicable pe 10 OR en percent) of the annual w the penalty amount payabl	ater use charge outstanding	at the date of	registration which eve	] No er is greater	
File number			A A A A A A A A A A A A A A A A A A A			
Water Use Register Numb	per					
Surname				Initials		
Position / Rank						
Signature						
Captured on NRWU datab (ccyymmdd) Capured by:	ase					Printed the Land of Land of Landson
Surname				Initials	Appendix and a second a second and a second	VIIII Conference and process
Signature						T.C. SELECTION OF
			V N/		Date stamp of receiving of	fice



## water affairs

Department: Water Affairs

### REPUBLIC OF SOUTH AFRICA

FURNACE F SUPPLEMENTARY WATER USE INFORMATION

TAKING WATER FROM A WATER RESOURCE POWER GENERATION, INDUSTRIAL OR MINING USE

1. I	IDI	JSTRIAL ACTIVITIES		
1.1		Description of activities		SIC code
		METAL PROCESSING AND	FINISHING	
2 13	TATI	THE CONCINETATION TO THE		
Z. Al	ATA	JAL CONSUMPTION FOR INDUSTRIAL	PROCESSES	
2.1	Th	e fotal amount of water abstracted per year is	1 237.16	cubic metres
a		The total volume for industrial use per year	1 2 3 7 , 6	cubic metres
		Estimated volume for industrial use five years hence	237.16	cubic metres
C		The total volume for domestic use per year (if any)		cubic metres
d	·	The number of people supplied with domestic water		

FOR OFFICIAL USE ONLY	DVV/0
File number	
Water use licence or registration number	
Water Management Area	
Received by:	
Surname Initials	
Rank	
Signature	
Captured by:	
Initials	
	Date stamp of receiving office



## water affairs

Department: Water Affairs REPUBLIC OF SOUTH AFRICA

# FURNACE F SUPPLEMENTARY WATER USE INFORMATION

### TAKING WATER FROM A WATER RESOURCE **PUMP TECHNICAL DATA**

1. PUMP IDENTIFICATION
AT OUR IDEATIFICATION
1.1 Pump number (if more than one, enter a sequence number starting from 001)
1.2 Installation date
1.3 Geographic location of the pump (use one format only)
S
2. PUMPING HOURS
2.1 Maximum pumping hours per week
3. PUMP DATA
3.1 Pump type (mark one with X)
a) Centrifugal b) Positive displacement c) Turbine d) Axial flow e) Other (specify)
3.2 Pump model
3.3 Pulley diameter mm
3.4 Speed
3.5 Impeller size (only for a centrifugal pump)
3.6 Suction hose
3.6.1 Hose material 3.6.2 Hose diameter  3.6.3 Hose length
3.7 Type of flow meter (mark one with X)  a) Inline b) Bypass c) Doppler effect d) None e) Other (specify below)
3.8 Pressure gauge reading At inlet =m At outlet =m

version 1 of 2009-12-15	Field Code Changed
4.0000000000000000000000000000000000000	p1ct3

4. POWER SOURCE DATA
4.1 Power source type (mark one with X)  a) Electric b) Diesel c) Petrol d) Tractor e) Wind  f) Other (specify)  4.2 Model mm  4.3 Pulley diameter  4.4 Speed  4.5 Coupling:
a) Type (mark one with X)  V-belt Flat belt Gearbox Direct Other (specify below)  b) For gearbox coupling or direct coupling, enter the ratio
4.6 Power rating
5. PUMP OPERATION
Maximum discharge operation  5.1 Discharge
6. BOREHOLE INFORMATION (where applicable)
6.1 a) Borehole number b) Geographic location of the borehole, if different from pump  S

S-abs(pmp)

version 1 of 2009-12-15

DW784

Field Code Changed

p 2 cf 3

S-abs(pmp)	DW784
7. ESKOM TRANSFORMER (where applicable)	
7.1 a) ESKOM reference number	
b) Geographic location of the transformer, if different from pump	
S	Cape datum Clarke WGS-84 datum
7.2 Power rating of the transformer	kVA
FOR OFFICIAL USE ONLY	
File number	
Water use licence or registration number	
Water Management Area	
Received by: Surname Initials Rank Signature  Captured by: Initials	
	Date stamp of receiving office

## Historic Waste Dump



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

Section 21(g): disposing of waste in a manner which may detrimentally impact on a water resource.

1.	GENERAL INFORMATION		
Entertain the second	Mark the applicable option(s) with an X and/or co	mplete details where applicable/available.	
1.1	Indicate the nature of this application:		-
1.2	Have you already registered a water use with the Department of Water Affairs and Forestry?	Yes No  Registration number:  Water use number:	
1.3	Indicate if Section 21(j) is applicable to this water use application:	Section 21(j): removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity of for the safety of people.  Yes  No  Note: If Yes was selected, ensure that a DW805 application form has been submitted.	or
1.4	Do you have a licence, permit or exemption for this waste discharge? (Issued in terms of the National Water Act (Act No. 36 of 1998), Water Act (Act No. 54 of 1956) or the Environmental Conservation Act (Act No. 73 of 1989))	Yes No Licence number:  OR  Permit number:  OR  Exemption reference number:	

1.5	Applicant Type (mark only one block with X)  ☐ Individual (complete 1.6) ☐ Company, business, partnership or community (complete 1.7) ☐ National Department (complete 1.8) ☐ Water User Association (complete 1.11)
1.6 1.6.1	If the applicant is an individual  Title Surname Initials
1.6.2	South African ID (if holder of South African Id) alternatively Passport Number:  ID Number or Passport Number  Passport Expiry Date (ccyymmdd)  Passport Country Of Issue
1.7	If the applicant is a company, business, partnership or community:
1.7.1	Name of company, business, partnership or community:
	SILICON SMELTERS (PTY) LTD - RAND CARBIDE
1.7.2	Business Enterprise Registration Number 9 8 0 1 9 0 3 6 / 0 7
1.7.3	Date Established (ccyymmdd)  1 9 9 9 0 9 2 5
	Country Where Established REPUBLIC OF SOUTH AFRICA
1.8	If the applicant is a National Department:
1.8.1	National Department Name:
1.9	If the property owner is a Provincial Department:
1.9.1	Province:
1.9.2	Provincial Department Name:
1.10 1.10.1	If the property owner is a Water Services Provider:  Name of WSP:
1.11	If the property owner is a Water User Association:
1.11.1	Name of WUA:

Declaration by applic	ant or waste di	scharger	
Delete the words that are not applicable l/w	e <u>CORNELIUS MULLER BESTE</u>	R	
the information provided by me/us in this applic	cation form is, to the best of my/c	our knowledge, true and correc	(FULL NAME(S)) hereby declare that ct.
A			
M			

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

Thumb print

Contact number during office hours

2012-08-22

Date (ccyy/mm/dd):

Signature

GENERAL MANAGER

Designation of signatory

	generates the wastewater or waste which this application refers to (Mark only one box with an X)  (Note, if more than one option is applicable, you must fill in a separate application form per sub- sector)		Aquaculture Irrigation  Urban / Domestic Sewage Treatment Works Waste Disposal  Industry Agroprocessing Fertilisers Metal Processing And Finishing Textile Power Generation  Mining		Intensive Animal Husbandry Other (please specify below)  Water Treatment Works  Meat Processing Manufacturing Paper And Pulp Winery Other (please specify below)	
	which this application refers to  (Mark only one box with an X)  (Note, if more than one option is applicable, you must fill in a separate application form per sub-		Urban / Domestic Sewage Treatment Works Waste Disposal  Industry Agroprocessing Fertilisers Metal Processing And Finishing Textile Power Generation		Water Treatment Works  Meat Processing Manufacturing Paper And Pulp Winery	
	(Note, if more than one option is applicable, you must fill in a separate application form per sub-		Sewage Treatment Works Waste Disposal  Industry Agroprocessing Fertilisers Metal Processing And Finishing Textile Power Generation		Meat Processing Manufacturing Paper And Pulp Winery	
	(Note, if more than one option is applicable, you must fill in a separate application form per sub-		Industry Agroprocessing Fertilisers Metal Processing And Finishing Textile Power Generation		Meat Processing Manufacturing Paper And Pulp Winery	
	applicable, you must fill in a separate application form per sub-		Industry Agroprocessing Fertilisers Metal Processing And Finishing Textile Power Generation		Manufacturing Paper And Pulp Winery	
	•		Agroprocessing Fertilisers Metal Processing And Finishing Textile Power Generation		Manufacturing Paper And Pulp Winery	
	sectory		Fertilisers Metal Processing And Finishing Textile Power Generation		Manufacturing Paper And Pulp Winery	
			Metal Processing And Finishing Textile Power Generation		Paper And Pulp Winery	
			Textile Power Generation		Winery	
			Power Generation		· · · · · · · · · · · · · · · · · · ·	
					Other (please specify below)	
			Mining	***************************************		
			Coal		Diamond	
			Gold		Sand-winning	
			Platinum		Quarrying	
			Copper		Peat Mining	
			Chromium		Uranium	
			fron		Other (please specify below)	
				<del></del>		·
2	Which of the following	2.2.	1 Wastewater containing <70% water	by mass (i.e	. sludge)	
	describes the <u>nature</u> of the wastewater?	2.2.2 Wastewater containing >70% water by mass				
	(Mark the applicable option(s)	2.2.	3 Wastewater with high acidity (i.e. pl	H <5) or alkal	inity (i.e. pH >10)	
	with an X)	2.2.4 Wastewater with temperature of >50°C				
		2.2.5 Wastewater with an oxygen content of <5 mg/l				
			6 Wastewater with an EC (Electrical (		of >500mS/m	
		***************************************	7 Wastewater with an EC of <500mS/			
3	Which of the following	2.3.	1 Wastewater consisting of > 90% or	ganic conten	t by mass (i.e. load)	
	describes the composition of the		2 Wastewater consisting of 50 – 90% is (i.e. load)	organic cont	ent and 10 – 50% metals or salts by	
	(Mark the applicable option(s)		3 Wastewater consisting of 10 – 50% is (i.e. load)	organic cont	ent and 50 – 90% metals or salts by	
	with an X)		4 Wastewater consisting of >90% med	als or salts b	y mass (i.e. load)	
ļ		HIS	TORICAL WASTE DUMP CURRENT	LY BEING RI	EPROCESSED IN CHARGOLD PLANT	
	generates the waste	HIS.	TORICAL DUMPING OF PROCESS I	WASTE		

2.5	Discharge to a land base	d facility					
2.5.1	Water use start & end da						
2.5.1	When did/will this water use star			4 0			
	When did/will this water use stat	tr (ccyymniau)		1 9	2 6 0 1	0 1	
	When did/will this water use end (ccyymmdd)	? (If applicable)		2 0	0 6 0 1	0 1	
.5.2	The total volume of waste	e / waste water	discharged	per year:			0 Cubic mete
.5.3	The maximum volume of any given day:	waste / waste v	vater discha	rged on			0 Cubic mete
.5.4	Monthly discharge patter	n expressed in:	:				
	<b>5 5 5 5 5 5 5 5 5 5</b>			OR			
	Percentage (%) of total			0.5			
	ومنسم			OR			
	Another unit of measure						
	If "Another unit of measure				e		
				measure" to b		Maxim	num
	If "Another unit of measure	harge pattern detail				Maxim	
	If "Another unit of measure applied to the monthly disc	harge pattern detail		measure" to b		Maxin	0
	If "Another unit of measure applied to the monthly disc	harge pattern detail		measure" to b		Maxin	0
	If "Another unit of measure applied to the monthly disc January February	harge pattern detail		measure" to b		Maxim	
	If "Another unit of measure applied to the monthly disc January February March	harge pattern detail		measure" to b		Maxim	0 0
	If "Another unit of measure applied to the monthly disc January February March April	harge pattern detail		measure" to b		Maxim	
	If "Another unit of measure applied to the monthly disc January February March April May	harge pattern detail		measure" to b		Maxim	
	If "Another unit of measure applied to the monthly disc January February March April May June	harge pattern detail		measure" to b		Maxim	
	If "Another unit of measure applied to the monthly disc January February March April May June July	harge pattern detail		measure" to b		Maxim	
	If "Another unit of measure applied to the monthly disconnected by January February March April May June July August	harge pattern detail		measure" to b		Maxim	
	If "Another unit of measure applied to the monthly disconsisted by January February March April May June July August September	harge pattern detail		measure" to b		Maxim	

	2.5.5	Intake Water
--	-------	--------------

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

### 2.5.6 Average disposal volume / discharge volume onto the land / facility

Average disposal volume	Time Interval:	☐ Per Month	Per Annum
(cubic meters)			posses
Maximum disposal volume	 Time Interval:	☐ Per Month	☐ Per Annum
anticipated (cubic meters)			,

	Acid Rain Leach	For Office	Use Only
Quality Variable And Unit Of Measurement	Concentration	Waste Load Onto Facility (kg)	NPS Load (kg)
Coliforms (Colony Forming Units/ml)			
Enteric pathogens e.g. E.coli (Colony Forming Units/ml)			
pH (pH units)	6.9		
Temperature (°C)			
Acidity (mg/l)			
Alkalinity (mg/l)	370		
Aluminium (mg/l)	0.03		
Ammonia (mg/l)			
Arsenic (mg/li)	< 0.02		
Barium (mg/l)	<sup>.</sup> 0.12		
Boron (mg/l)	0.17		
Bromide (mg/l)			
Cadmium (mg/l)	0.002		
Calcium (mg/l)	137		
Chemical oxygen demand (mg/l)			
Chloride (mg/l)	17		
Chromium (mg/i)	0.005		
Chromium(vI) (mg/I)			

Continued on next page

		For Office Use Only		
Quality Variable And Unit Of Measurement	Concentration	Waste Load Onto Facility (kg)	NPS Load (kg)	
Cobalt (mg/l)	0.02			
Copper (mg/l)	0.01			
Cyanide (mg/l)				
Fluoride (mg/l)	0.4			
Iron (mg/l)	0.006			
Lead (mg/l)	< 0.01			
Lithium (mg/l)				
Magnesium (mg/l)	11.2			
Manganese (mg/l)	2.6			
Mercury (mg/l)	< 0.001			
Molybdenum (mg/l)	0.004			
Nickel (mg/l)	0.003			
Phenol (mg/l)				
Potassium (mg/l)	3.6			
Radionuclides (mg/l)				
Soap, oil or grease (mg/l)				
Sodium (mg/l)	3.8			
Sulphate (mg/l)	41			
Tin (mg/l)	< 0.02			
Total dissolved solids (mg/l)				
Total suspended solids (mg/l)				
Total nitrogen (mg/l)	< 0.1			
Total phosphorus (mg/l)				
Uranium (mg/l)	< 0.004			
Vanadium (mg/l)	0.006			
Zinc (mg/l)	0.04			

3.	RECEIVING ENVIRONMENT/RECEPTOR			
		The resource that needs to be protected and ether communities use boreholes or abstract	related issues such as: how close to surface water, groundwate from the surface water, etc.	
3.1	Description of nearby wa	ater resource(s)		
3.1.1	Description of Surface Water Resources (Mark only one box with an X)	a) Type of surface water resource, nearest River / Stream Estuary Wetland Marine  b) Name / description of the nearest surface	<ul><li>☑ Dam</li><li>☐ Lake</li><li>☐ GWS Scheme</li><li>☐ Other (please specify below)</li></ul>	
		c) Distance to the nearest water resource (	meters) 6 5 0 0	
3.1.2	Description of Groundwater Resources (Mark only one box with an X)	a) Type of groundwater resource, nearest t  ☑ Spring / Eye ☐ Borehole ☐ Other (please specify below)	o location where discharge is taking place  GWS Scheme Boreholes And Windmills On Government Land	
b) Name / description of the nearest surface w FOUR (4) NATURAL SPRINGS OCCU				
3.2	Drainage Region Details	c) Distance to the nearest groundwater reso	ource (meters) 5 0 0	
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Property Name	Surveyed Property		Unsurveyed property	Property Relationship Date	diusu
PORTION 60 OF THE	Title Deed Number	T4136/2009	Sumame of the Leader of Village, Community of Tribal Authority	From: To:	To:
TARM JOUDER I SKUS I 310 JS	Surveyor-General Cadastral Code	T0JS000000000310000			
		09			
	Property Number	310	Local Authority (if applicable) with the second sec		
	Portion of property	09	Magisterial District (If applicable)		
A STATE OF THE STA			Tribal Authority/Council (fiapplicable)		
	Title Deed Number II M.	The format of the first of the	Sumame of the Leader of Village, Community or Tribal Authority		WASHINGTON AND A STATE OF THE S
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority		
	Property Number		Local Authority (if applicable)	4/	
	Portion of property		Magisterial District (if applicable)		
			Tribal Authority/Council (if applicable)	re dalatah dan yang dalatah dalatah dalatah	
	Title Deed Number	And with with the first literature of the first litera	Sumame of the Leader of Village, Community or Tribal Authority		
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority		
	Property Number		Local Authority (if applicable)		
	Portion of property		Magisterial District (if applicable)		
			Tribal Authority/Council (ff.applicable)		
	Title Deed Number		Surname of the Leader of Village, Community or Tribal Authority	MARIE ENVOLUE	
	Surveyor-General Cadastral Code		Initial of the Leader of Village! Community or Tribal Authority.		
	Property Number	A STATE OF THE STA	Local Authority, (if applicable)		
	Portion of property		Magisterial District (if applicable)		-
			THE COLUMN THE COLUMN TO THE COLUMN THE COLU	•	

	DISPOSAL OF W	ASTE	· · · · · · · · · · · · · · · · · · ·	A STATE OF THE STA		
4.1	Commonly used de	escription	of waste types	to be disposed	1	
4.1.1	Description of the t (Mark the applicable type				applicable/available.)	
	Sewage Sludge				Household Refuse	
	☐ Industrial Sludge				Farming Waste	
	☐ Mining Waste			$\boxtimes$	Dry Industrial Waste	
	☐ Hazardous Waste				Industrial Liquid	
	☐ Industrial Ash (all inc	dustries)			Other	
	Power Generation				Specify Other:	
.1.2	Approximate maxir	num volun	ne/tonnage pe	r site per day		
.1.3	Approximate total t	tonnage pe	er site per ann	um		tons
.2	Type of waste man	agement fa	acility			
.2.1	Name of waste site	or 'facility				
.2.2	Select the type of v disposal site (Mark of with an X)	vaste only one box	HISTOR	RICAL WASTE	DUMP	
			1	.,		
				waste Managemer	nt Facility Type	
	Artificial Wetlands	Select with X	Size (ha)	waste Managemer Estimated lifetime (y)	nt Facility Type  Disposal started on: (ccyymmdd)	Disposal ceased on: (if applicable) (ccyymmdd)
	Artificial Wetlands  Ash Dams / Dumps			Estimated	Disposal started on:	(if applicable)
		with X		Estimated	Disposal started on:	(if applicable)
	Ash Dams / Dumps	with X		Estimated	Disposal started on:	(if applicable)
	Ash Dams / Dumps Coal Dams	with X		Estimated	Disposal started on:	(if applicable)
	Ash Dams / Dumps Coal Dams Composting	with X		Estimated	Disposal started on:	(if applicable)
	Ash Dams / Dumps Coal Dams Composting Domestic Waste	with X		Estimated	Disposal started on:	(if applicable)
	Ash Dams / Dumps  Coal Dams  Composting  Domestic Waste  Effluent Dams  Evaporation	with X		Estimated	Disposal started on:	(if applicable)
	Ash Dams / Dumps  Coal Dams  Composting  Domestic Waste  Effluent Dams  Evaporation Dams/Ponds	with X		Estimated	Disposal started on:	(if applicable)

Continued on next page

Waste Management Facility Type	Select with X	Size (ha)	Estimated lifetime (y)	Disposal started on: (ccyymmdd)	Disposal ceased on: (if applicable) (ccyymmdd)
Other Waste Water Ponds:					
(Specify other)					
Open Cast Voids					
Oxidation Ponds					
Polluted Storm Water System					
Recycling					
Return Water Dams					
Silt Dams					
Slag Dumps					
Slimes/Tailings Dams					
Sludge Drying Beds					
Sludge Ponds/Lagoons				The state of the s	
Waste Rock Dump					
Waste Storage	$\boxtimes$	2 . 2		1 9 2 6 0 1 0 1	2 0 0 6 0 1 0
Waste Treatment Plant					
(Specify)					

5.	LIST OF SUPPOF	RTING TECHNICAL INF	FORMATION		
5.1	Confirm that the follow	ing forms have been included	in this application		
	DW901		☐ No		
	DW902		☐ No		
	DW905		□ No		
5.2	Mark with an X if these	documents have been submit	tted with this applicat	ion	
	Environmental Impact As	ssessment (EIA)			
	Environmental Managem	nent Programme (EMPR)			
	Standard Environmental	Management Programme			
	Integrated Water and Wa	aste Management Plan (IWWMF	P)	$\boxtimes$	
	Integrated Water Use Lic	cence Application Report			
	Report on Waste Water	Quality (solute load, seasonal ch	nanges, etc.)	$\boxtimes$	
	Report on Industrial Proc	cess Generating Waste water		$\boxtimes$	
	Geohydrological Report			$\boxtimes$	
	Civil Designs				
	Contingency Plan for Fai	ilures and Malfunctions of Syste	m		
	Monitoring Programme(s	s)		$\boxtimes$	
	Topographical Map (1:50	000)		$\boxtimes$	
	National Water Act (Act I	No 36 of 1998) – Section 27 Eva	aluation	$\boxtimes$	
	DW760 NWA-Section 21	(a)		$\boxtimes$	
	DW761 NWA-Section 21	(b)			
	DW762 NWA-Section 21	l(b)			
	DW763 NWA-Section 21	(c)			
	DW764 NWA-Section 21	l(d)			
	DW765 NWA-Section 21	I(e)			
	DW766 NWA-Section 21	I (f)			
	DW767 NWA-Section 21	1(g)		$\boxtimes$	
	DW768 NWA-Section 2	<b>1(i)</b>			
	DW780 NWA-Section 2	1(h)			
	DW805 NWA-Section 2	1(j)		$\boxtimes$	
	DW903				
	DW904				
	Other (specify other doc	uments submitted with this form	)		
	D W 7 8 4			$\boxtimes$	
	D W 7 8 8				
	D W 7 5 8				

Continued on next page

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5. THIS SECTION I	THIS SECTION IS RESERVED FOR OFFICE USE ONLY	E USE ONLY				
6.1 Management Cla	Management Classification Details	MINISTER OF THE PROPERTY OF TH	ende misse statutus productionis de la companya de		ONE STREET, ST	TO ANA THE PROPERTY OF THE PRO
Waste Generating Sector	Waste Disposal Site Type	Lining System	Constituent (Quality Variable)	Management Classification (Mark applicable option(s) with an X)	nn vith an X)	
				Best practice leading to zero impact	Standard/minimum requirements	Poor practice
Mining	Slimes/Tailings Dams		Salinity, pH, SO <sub>4</sub> , CI, Na, heavy metals	%0 🗆	0.75%	1.5%
	Evaporation Dams/Ponds	7000	Salinity, pH, SO <sub>4</sub> , CI, Na, heavy metals	%0 <b></b>	0.75%	1.5%
	Effluent Dams	70	Salinity, pH, SO <sub>4</sub> , CJ, Na, heavy metals	%0 <u></u>	0.75%	1.5%
	Return Water Dam		Salinity, pH, SO <sub>4</sub> , CI, Na, heavy metals	%0 <u></u>	0.75%	1.5%
	Forced Evaporation	1000	Salinity, pH, SO4, CI, Na, heavy metals	%0 <u></u>	0.75%	1.5%
	Ash Dams/Dumps		Salinity, pH, SO <sub>4</sub> , Cl, Na, heavy metals	%0 <b></b>	0.75%	1.5%
	Open Cast Voids	10.	Salinity, pH, SO <sub>4</sub> , CI, Na, heavy metals	%0 □	0.75%	1.5%
	Waste Rock Dump		Salinity, pH, SO <sub>4</sub> , Cl, Na, heavy metals	%0 □	0.75%	1.5%
	Polluted Storm Water System		Salinity, pH, SO <sub>4</sub> , Cl, Na, heavy metals	%0 <b></b>	0.75%	1.5%

## Continued on next page

			7	.,,		
Waste Generating Sector	Waste Disposal Site Type	Lining System	Constituent (Quality Variable)	Management Classification   (Mark applicable option(s) with an X)	n ith an X)	
				Best practice leading to zero impact	Standard/minimum requirements	Poor practice
Agricultural	Oxidation Ponds	Synthetic liner	Nutrients, COD, pathogens	%0 □	0.5%	7.5%
			Salinity, pH, SO4, Ct, Na, heavy metals	%0 □	1%	□10%
		Clay liner	Nutrients, COD, pathogens	%0 []	1%	7.5%
			Salinity, pH, SO4, CI, Na, heavy metals	%0 □	2.5%	□10%
	Artificial Wetlands	Synthetic liner	Nutrients, COD, pathogens	%0 <u></u>	0.5%	7.5%
			Salinity, pH, SO <sub>4</sub> , CI, Na, heavy metals	%0 □	1%	10%
		Clay liner	Nutrients, COD, pathogens	%0 <b></b>	1%	7.5%
			Salinity, pH, SO <sub>4</sub> , CI, Na, heavy metals	%0 □	2.5%	□ 10%
	Polluted Storm Water System		Nutrients, COD, pathogens	%0 □	%	%
			Salinity, pH, SO <sub>4</sub> , CI, Na, heavy metals	%0 <u></u>	%	%

☐ GCI		n X (only one option may be select	,		
☐ GCI		☐ GSB-	∐ GMB+		∐ GLB+
☐ H:H		☐ H:h	∐ GMB-		∐ GLB-
Legeno				*****	
В-		resulting in only sporadic leachate	a deperation	С	Communal Landfill
B+		e resulting in significant leachate of	•	s	Communal Landfill Small Landfill
G	General waste or land		,0/10/10/10	М	Medium Landfill
H:H		that can receive waste with a haz	ard rating of 1 and 2	L	Large Landfill
H:h		that can receive waste with a haz	•	-	Largo Lonom
Site clas	ssification Date (ccyymm				
	sation / Regulation	·	<u> </u>		
		ark the applicable option with an >	0		
		aste Management Facility in term	•	e National \	Nater Act" )
		ste Management Facility in terms			
		Vaste Management Facility in terr			
		Waste Management Facility in te			
	Authorisation / Regulation		11110 07 00011017 20(1) 01	ING LIVIO	intelital Conservation Act .)
	·	OR			
Environme	ent Conservation Act Per	mit Number			
The autho (ccyymmd	risation/regulation is valid d)	d from		Until (ccyymmd	d)
Success	ion transfer and sc	ource part 2 details			
is this a	'succession in title	' related water use transf	er?	Yes	□ No
If yes, co	mplete the following	ng details where applicab	le.		
	gister Number	WU Number		. AH r . 3	MILOL. D. M. H. S.
,	, eta ritanibai	110 Number	WU Status to be	Allocated	WU Close Date (if applicable (ccyymmdd)
			***************************************		
District N	1unicipality				
	Nunicipality icipality Name (if applica	hle)			

6.6	Billing information			
6.6.1	Applicant to be billed as	::		
	☐ Water User o	r 🔲 Via a WUA/WSP	Start Date (ccyymmdd)	End Date (ccyymmdd)  Water User
6.6.2	Bill incentive charge:		Charle Data / commence data	End Data (coursemedd)
	On actual load(s) o	r Registered load(s)	Start Date (ccyymmdd)	End Date (ccyymmdd)  On actual load(s)
6.6.3	Billing Frequency:	Annually	☐ Bi-annually	☐ Monthly
6.6.4	If to be billed via WUA/W	VSP:		
	Name of WUA/WSP			
	Is WUA/WSP a Billing Agent?	☐ Yes ☐	No	
	Billing Agent's Register Number	<u> </u>		
6.6.5	If this WU is to be billed Name of Customer	via a Bulk Billing Party tha	t is not a WSP/WUA, comp	lete the following:
	Bulk-Bill-to-Party Register Num	ber		
6.7	Waste management sch			
	Waste scheme name (if a	applicable)	(1000)	
	If the Waste Scheme Mai     (Waste Scheme Mai	e is applicable, provide WSMP nagement Parameter Name)		
	Specify the date from water use (ccyymmore)	m which this WSMP is applicable to dd)	this	
6.8	Late registration penalty	y		
	Is this a late registration?	☐ Yes	□ No	
	If yes, mark with an X, the appl	icable penalty to be levied		
	☐ R300.00 <b>OR</b>			
	10% (ten percent) of the ar	nnual water use charge outstanding	at the date of registration which ev	rer is greater
	Specify the penalty amount pay	yable		
	☐ Waive penalty			

*if yes complete the following details after confirmation with relevant DWAF/CMA officials:    Date(s) from which applicable GA is/was applicable to this water use	Water use ta	kes/took place in terms of the	General Auth	orisation	:		П	Yes		Г	] No
Date (s) from which applicable GA is/was applicable to this water use  South African Act:  [E.g. National Water Act (Act No. 36 of 1998)]  Date From (ccyymmdd)  Date To (ccyymmdd)  Applicable Section Of The General Authorisation  Date From (ccyymmdd)  Date From (ccyymmdd)  Date From (ccyymmdd)  Covernment Notice No.  Government Notice No.  Government Notice No.  Government Notice No.  Government Notice Date (ccyymmdd)  Applicable Section Of The General Authorisation  Date From (ccyymmdd)  Applicable Section Of The General Authorisation  Date From (ccyymmdd)  Covernment Notice No.  Government Notice No.  From (ccyymmdd)  Applicable Section Of The General Authorisation  If an authorisation has been issued under other legislation — provide the Law/Regulation details if known/available.										<del></del>	
South African Act:  [E.g. National Water Act (Act No. 36 of 1998)]  [E.g. Section 2]  Date From (ccyymmdd)  Date To (ccyymmdd)  Applicable Section Of The General Authorisation  Date From (ccyymmdd)  Covernment Notice Date (ccyymmdd)  Date To (ccyymmdd)  Covernment Notice No.  Government Notice No.  Date From (ccyymmdd)  Date To (ccyymmdd)  Covernment Notice Date (ccyymmdd)  Applicable Section Of The General Authorisation  Date From (ccyymmdd)  Covernment Notice Date (ccyymmdd)  Applicable Section Of The General Authorisation  Government Notice No.  Government Notice No.  Government Notice Date (ccyymmdd)  Applicable Section Of The General Authorisation  If an authorisation has been issued under other legislation — provide the Law/Regulation details if known/available.					·	**************************************					
[E.g. National Water Act (Act No. 36 of 1998)]  [E.g. Section 2  Date From (ccyymmdd)  Date To (ccyymmdd)  Applicable Section Of The General Authorisation  Date To (ccyymmdd)  Date To (ccyymmdd)  Date To (ccyymmdd)  Covernment Notice Date (ccyymmdd)  Date To (ccyymmdd)  Applicable Section Of The General Authorisation  Date To (ccyymmdd)  Applicable Section Of The General Authorisation  Date From (ccyymmdd)  Covernment Notice Date (ccyymmdd)  Applicable Section Of The General Authorisation  Date To (coyymmdd)  Date To (coyymmdd)  Applicable Section Of The General Authorisation  If an authorisation has been issued under other legislation – provide the Law/Regulation details if known/available.  If this application represents a licence related water use (new licence application or previously submittapplication) – complete following details if known/available.					Applica	blo soc	tion of	tha aa	4		
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Applicable Section Of The General Authorisation  Date From (ccyymmdd)  Date To (ccyymmdd)  Applicable Section Of The General Authorisation  Government Notice No.  Government Notice Date (ccyymmdd)  Applicable Section Of The General Authorisation  If an authorisation has been issued under other legislation – provide the Law/Regulation details if known/available.  If this application represents a licence related water use (new licence application or previously submitting application) – complete following details if known/available.				Governm	ent Not	ice No.	<del></del>				
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known/available.  If this application represents a licence related water use (new licence application or previously submitted application) – complete following details if known/available.	Applicable Sect	ion Of The General Authorisation		(,	-,						
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## SUPPLEMENTARY WATER USE INFORMATION

(ONLY APPLICABLE FOR NWA - SECTION 21g WATER USES)

## DETAILS OF WASTE MANAGEMENT FACILITY

1.	WASTE MANAGEN	ENT FACILITY	DETAILS							
1.1	Name of Waste Man HISTORICAL WASTE DU		and the second s							
1.2	Fatal flaw indicators If any of the following criter		will apply to a proposed site, mar	k with an X						
	In an area below the	in 100 flood line of ar	ny watercourse	S. M. S. A.						
	In unstable areas (e.g	. fault zones, seismic z	zones, dolomitic or karst areas, ar	eas with sinkholes or subsidence)						
	In sensitive ecological			•						
	In a catchment area fo	r important, "significar	nt" or sensitive surface water reso	urces						
				lients (wetlands, vleis, springs, etc.)						
			e.g. where problems with stability							
		Areas of groundwater recharge on account of topography and/or highly permeable soils								
			ially important aquifers (Parsons o							
			ed available cover material	one course, majory						
	_		incompatible with waste disposal	activities						
	Areas where adequate									
1.3	Method of disposal	·								
	☐ Trenching		Ash-blending							
	Other (specify)	LAND DISPOSAL	E Asir-defiding	Co-disposal						
.4	Distance from nearest	borehole used for	or drinking water or stock	Motoring						
		meters	and the state of stock	waternig						
.5	Distance from the edg		nstream surface water res							
	2 0 0	meters	motioum suitace water res	ource						
.6	Lining of the site									
	a) The site is / will be		Lined							
	b) If lined, the lining system is	<b>3</b>	Clay							
	(Mark the applicable option		Composite lining system							
			,							

1.7 Total area of 'property' on which waste is disposed  1.8 Area of actual waste body ("footprint" area)  1.9 Dimensions of waste site    Height or depth   Length   Breadth	
1.9 Dimensions of waste site  Height or depth Length Breadth  a) At commencement b) After rehabilitation c) Available air space  Height or depth Length Breadth	
Height or depth Length Breadth  a) At commencement b) After rehabilitation c) Available air space  Height or depth Length Breadth  a) 1 0 0 0 met 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
a) At commencement b) After rehabilitation c) Available air space	
d) Total volume already used for waste disposal  e) Accuracy of above volumes  Surveyor  Estimate	
1.10 Buffer Zone	
a) Actual distance to the boundary of the nearest:  • Formal residential area  • Informal residential area  • Industrial Area  b) Buffer zone determination done by  • Scientific method  • Actual distance	m m m
1.11 Location of Waste Management Facility	
1.11.1 Geographical location for each of the external corner points of the waste management facility:	
Latitude S or S 2 5 ° 5 1 . 7	0 9 1
Longitude E	9 7
Datum Type:	
Latitude S or S 2 5 ° 5 1 . 7	4 1 ;
Longitude E	2 7 1
Datum Type:   Cape (Modified Clarke 1880)   WGS-84	
Latitude S or S 2 5 ° 5 1 . 7	7 5 ,
Longitude E	9 3 ,
Datum Type:	
Latitude S or S 2 5 ° 5 1 . 7	4 0 3
Longitude E or E 2 9 ° 1 3 . 8	5 4 ;
Datum Type:   Cape (Modified Clarke 1880)  WGS-84	
Latitude S or S or S or S or S	,
Longitude E	,
Datum Type:	

The weltest six months of the year are  November to April  May to October  The weltest years during the past thirty years vero (copulate at least one year's details with both reinfall and evaporation detail completed)  Total evaporation  Rating  Year  Total ratifall for 6	1.11.2	Drainage Region Det	ails: Quaternary Drainage	Region B 1 1	DW905
Other site specific water balance factors (specify)  Details of the person in control of the site Surname  BESTER  Initials &/or First Name  CM  Title  MR  ID No.  710608 5004 08 1  Phone Number  D13 690-8245  Ext  Fax Number  O13 690-8380  Cellphone  E-mail Address  nellis.bester@siliconsmelters.co.za  Highest Educational Qualification  Grade 8 / Std 6  Grade 10 / Std 8  Matric		Climatic water balance The wettest six months of the The wettest years during the Rating Year    Rating Year    2nd wettest	Total rainfall for 6 months  9 6 1 1 3 9 0 0 8 8 5 0 6 8 4 9 1 6 8 1 9 4 6 7 6 8 7 6 6 9 0 4 6 5 9 8 5 6 0 3 ctors	mber to April  t least one year's details with both rainf  Total evaporation (A-pan) for 6 months  mm	Official use  mm  mm  mm  mm  mm  mm  mm  mm
	.13	Other site specific water balar  Details of the person in Surname  Initials &/or First Name  Title  Phone Number  Fax Number  E-mail Address  Highest Educational	CM  MR  013 690-8245  013 690-8380  nellis.bester@siliconsmelters.co	ID No. 7106  Ext Cellphone  D.za  Grade 10 / Std 8	☐ Matric

DIMON.	

2,	OPERATION OF THE W	VASTE MANA	GEMENT	FACIL	ITY		
2.1	Type of operation  ☑ Landfill or Landbuild  ☐ Composting plant  ☐ Encapsulation	☐ Transfer s ☐ Storage a ☐ Other (spe	rea		☐ Recycling facility ☐ Treatment plant		Incinerator
2.2	Length of time of the ope	eration	art Date cyymmdd)	1 9	2 6 0 1 0 1	End Date (ccyymmdd)	2 0 0 6 0 1 0 1
2.3	ls sufficient cover materi	ial on site?			Yes		No
2.4	Covering and burning of  Daily compaction and cover  Burning of waste		icable option	s with an	X)  Weekly compaction	n and covering	
2.5	Is leachate management	system presen	t?		Yes	$\boxtimes$	No
2.6	Storm water managemen  Upstream cut-off trenches	t (mark the applicat	ole options w	vith an X)	○ Contaminated store	n water storage f	acility

400	Tick the options that describe the management practices for the waste	facility or site	
Artificial Wetlands	Facility is generally lined (clay liners typically) and are designed to receive 120/l/m2/d at a depth of 30 cm.	☐ Yes	☐ No
	Stormwater and seepage drains Any other practice:	Yes	□ No
Ash Dams/Dumps	Facility is lined (synthetic or clay)	☐ Yes	☐ No
	Side slopes stabilized to minimize erosion	Yes	□ No
	Rainfall runoff collected into a dirty water storage facility	Yes	☐ No
	Collection of percolated storm water via under drains into collection sumps, which should pump the water to a dirty water storage facility	Yes	□ No
	For pits, ingress of water is prevented  Any other practice:	Yes	□ No
Coal Dams	Lined facility (synthetic or clay liners)	Yes	☐ No
	Seepage drains in place	Yes	☐ No
	Storm water drains in place & connected to the polluted storm water system	Yes	☐ No
	Effluent in the dam is not of acidic pH	Yes	☐ No
	Dam is covered to prevent contact with oxygen	Yes	☐ No
	Facility does not maintain anaerobic conditions  Any other practice:	Yes Yes	□ No
iffluent Dams	Lined facility (synthetic or clay)	Yes	☐ No
	Facility has seepage drains	Yes	☐ No
	Splitting of facility into 2 separate compartments for the purposes of cleaning and management  Any other practice:	Yes	□ No
vaporation	Lined facility (synthetic or clay)	☐ Yes	☐ No
ams/Ponds	Facility is of sufficiently large size to ensure that full evaporation of effluent is achieved	Yes	☐ No
	Seepage drains in place	Yes	☐ No
	Storm water collection drains in place Any other practice:	Yes	□ No
orced	Evaporation only with wind speeds less than 2m/sec	Yes	☐ No
vaporation	No evaporate pre-dawn as humidity is high Any other practice:	Yes	☐ No
			Continued on next page

Maturation Ponds	Facility lined (synthetic or clay)	Yes	☐ No
	Facility designed to ensure at least 5 days retention time	Yes	☐ No
	Storm water and seepage collection drains in place  Any other practice:	Yes	□ No
Waste Water	Lineal facility (see the U. and a A		□ N-
Ponds	Lined facility (synthetic or clay)	∐ Yes	∐ No
	Storm water collection drains in place	∐ Yes	∐ No
	Seepage drains in place  Any other practice:	∐ Yes	∐ No
Open Cast Voids	Diversion of upslope storm water around the void	Yes	☐ No
	Upstream diversion berms or management measures to prevent inflow of water into the void	Yes	☐ No
	Prevention of water flowing into the void by using highball drains where necessary	Yes	☐ No
	Ensure any water within the void is contained  Any other practice:	Yes	☐ No
Oxidation Ponds	Lined facility (synthetic or clay)	Yes	☐ No
	Adequate structures in place to ensure capture of a 1:50 year storm event	Yes	☐ No
	Seepage drains in place	Yes	☐ No
	Storm water collection drains in place  Any other practice:	Yes	□ No
Polluted	Storm water discharged directly to the resource	Yes	□ No
Stormwater System	Collection system incorporating the plant, raw material stockpiles and waste disposal facilities	Yes	☐ No
	Clean stormwater separated from stormwater draining "dirty" sites or facilities	Yes	☐ No
	Polluted stormwater collected & stored in dams  Any other practice:	Yes	□ No
Return Water Dams	Sizing to accept seepage from the under drainage systems and decant systems for up to the 1:50 year rainfall event, over and above normal operating conditions  Any other practice:	Yes	□ No
			Continued on next page

				DW905
Sewage Treatment Works	Pump stations operational	Yes	☐ No	
	Emergency storage dam(s) available	Yes	☐ No	
	Adequate capacity in emergency storage dams	Yes	☐ No	
	Compliance with minimum discharge standards	Yes	☐ No	
	Stormwater collection system in place	Yes	☐ No	
	Adequate capacity to contain total volume  Any other practice:	Yes	□ No	
Silt Dams	Lined facility (synthetic or clay)	Yes	□ No	
	Stormwater collection system in place	Yes	No	
	Seepage drains in place Any other practice:	Yes	□ No	
Slag Dumps	Stormwater collection system in place	⊠ Yes	□ No	
	Seepage drains in place	Yes	□ No	
	Separation of clean & dirty water	Yes	□ No	
	Capacity to handle the 1:50 year storm event	Yes	□ No	
	Collection of rainfall run-off into the dirty water storage facility	∑ Yes	□ No	
	After decommissioning, the top surface is shaped to suit drainage requirements and re-vegetated	⊠ Yes	□ No	
	Implementation of under drainage systems to collect seepage for re-use as process water  Any other practice:	Yes	⊠ No	
Slimes/Tailings	Stormwater collection system in place	Yes	☐ No	*****
Dams	Seepage drains in place	Yes	☐ No	
	Separation of clean & dirty water	Yes	☐ No	
	Capacity to handle the 1:50 year storm event	Yes	☐ No	
	Collection of rainfall run-off into the dirty water storage facility	Yes	☐ No	
	After decommissioning, the top surface is shaped to suit drainage requirements and re-vegetated	Yes	☐ No	
	Implementation of under drainage systems to collect seepage for re-use as process water	Yes	□ No	
	Covering of side slopes with soil during the operational phase to assist in reducing any contact of rainfall runoff with the tailings	Yes	☐ No	
	Vegetation of side slopes to minimise erosion  Any other practice:	Yes	☐ No	

Department of Water Affairs

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Sludge Drying	Facility is lined (synthetic or clay)	Yes	☐ No
Beds	Seepage drains in place	Yes	☐ No
	Storm water drains in place	Yes	☐ No
	Moisture reduction of sludge	Yes	☐ No
	Incorporation of sludge into soil	Yes	☐ No
	Leachate management system in place	Yes	☐ No
	Mixing of high moisture content or liquid waste with dry waste  Any other practice:	Yes	□ No
Sludge	Facility is lined (synthetic or clay)	☐ Yes	□ No
Ponds/Lagoons	Seepage drains in place	Yes	☐ No
	Storm water drains in place	Yes	□ No
	Capacity to handle the 1:50 year storm event  Any other practice:	☐ Yes	□ No
Waste Rock Dump	Stabilisation of side slopes to minimise erosion	Yes	☐ No
•	Rainfall runoff collected into a dirty water	Yes	☐ No
	Covering of terraces or step-ins with a soil layer, followed by paddocking & vegetation to minimise ingress of water into the dump	Yes	☐ No
	Collection of percolated stormwater via under drains into collection sumps which should pump the water to a dirty water storage facility  Any other practice:	Yes	□ No
		☐ Yes	⊠ No
Waste Storage	Lined facility (synthetic or clay)	Yes	⊠ No
	Leachate management system in place	Yes	⊠ No
	Leachate detection layer in place	Yes	⊠ No
	Leachate collection layer in place	Yes	⊠ No
	Seepage drains in place Stormwater drains in place & connected to the polluted stormwater system	Yes	□ No
	For pits, ingress of water is prevented	<u></u>	_ ***
	For pits, ingress of water is prevented  Any other practice:		
			Continued on next page

				DW905
Waste Treatment	Operation to the state of the s	·		
Plant	Capacity to handle the 1:50 year storm event	Yes	☐ No	
	Stormwater collection system in place	Yes	☐ No	
	Stormwater diversion measures in place	Yes	☐ No	
	Seepage collection system in place	Yes	☐ No	
	Adequate structures in place to ensure capture of a 1:50 year storm event	Yes	☐ No	
	Emergency incident structures in place			
	Any other practice:	Yes	☐ No	
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