

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	
1.1	Mark the applicable option(s) with an X and/or com Indicate the nature of this application:	plete details where applicable/available. Registration (only)
1.2	Have you already registered a water use with the Department of Water Affairs and Forestry?	
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 o for the safety of people.
		☐ Yes ☐ No Note: If Yes was selected, ensure that a DW805 application form has been submitted.
1.4	Do you have a licence, permit or exemption for this waste discharge? (Issued in terms of the National Water Act (Act No. 36 of 1998),	☐ Yes ☑ No Licence number:
	Water Act (Act No. 54 of 1956) or the Environmental Conservation Act (Act No. 73 of 1989))	OR Permit number:
		OR
		Exemption reference number:

1.5	Applicant Type (mark only one block with X) ☐ Individual (complete 1.6) ☐ Provincial Department (complete 1.9)
	☐ National Department (complete 1.8) ☐ Water User Association (complete 1.11)
1.6	If the applicant is an individual
1. 6 .1	Title Surname Initials
1.6.2	South African ID (if holder of South African Id) alternatively Passport Number: ID Number or Passport Number
	Passport Expiry Date (ccyymmdd)
	Passport Expiry Date (Coyyninidu) 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 8 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	If the property owner is a Water Services Provider:
1.10.1	Name of WSP:
1.11	If the property owner is a Water User Association:
1.11.1	Name of WUA:

Declaration by applicant or waste discharger	
· max · · ·	
Delete the words that are not applicable I/we CORNELIUS MULLER BESTER	

(FULL NAME(S)) hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. Signature Thumb print Contact number during office hours GENERAL MANAGER 2012-08-22 Designation of signatory

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

Date (ccyy/mm/dd):

1	Select the sector that generates the wastewater or waste which this application refers to		Agriculture Aquaculture Irrigation		Intensive Animal Husbandry Other (please specify below)	
	(Mark only one box with an X)		Urban / Domestic Sewage Treatment Works		Water Treatment Works	
	(Note, if more than one option is applicable, you must fill in a		Waste Disposal			
	separate application form per sub-		Industry	FINITE		
	sector)		Agroprocessing		Meat Processing	
			Fertilisers		Manufacturing	
		\boxtimes	Metal Processing And Finishing		Paper And Pulp	
			Textile		Winery	
			Power Generation		Other (please specify below)	
			Mining			
			Coal		Diamond	
			Gold		Sand-winning	
			Platinum		Quarrying	
			Copper .		Peat Mining	
			Chromium		Uranium	
			Iron		Other (please specify below)	
.2	Which of the following describes the <u>nature</u> of the wastewater?	2.2	.1 Wastewater containing <70% water li.2 Wastewater containing >70% water li.2 Wastewater li.2 Wastewater containing >70% water li.2 Wastewater	by mass		
	(Mark the applicable option(s)	*******	.3 Wastewater with high acidity (i.e. pH		alinity (i.e. pH >10)	<u>_</u>
	with an X)		.4 Wastewater with temperature of >50			L_
			.5 Wastewater with an oxygen content			
		2.2	.6 Wastewater with an EC (Electrical C	onductivity) of >500mS/m	
		•	2.7 Wastewater with an EC of <500mS/r			<u> </u>
.3	Which of the following		3.1 Wastewater consisting of > 90% org			
	describes the composition of the	2.3.2 Wastewater consisting of 50 – 90% organic content and 10 – 50% metals or salts by mass (i.e. load)				
	wastewater? (Mark the applicable option(s)	2.3.3 Wastewater consisting of 10 – 50% organic content and 50 – 90% metals or salts by mass (i.e. load)				
	with an X)		3.4 Wastewater consisting of >90% met	als or salts	by mass (i.e. load)	×
.4	Describe the activity that generates the waste	C	ONTAMINATED STORM WATER RUN	OFF FROM	1 THE SITE	
		_				
		_				

2.5	Discharge to a land bas	ed facility											
2.5.1	Water use start & end o	late											
	When did/will this water use st	art? (ccyymmd	d)										
	When did/will this water use er (ccyymmdd)	nd? (If applicab	le)			2 0	1 6	0 1	0 1				
2.5.2	The total volume of was	te / waste w	/ater di	scharge	ed per y	ear:						Cubic	: meters
2.5.3	The maximum volume o any given day:	f waste / wa	iste wa	ter disc	harged	on						Cubic	meters
2.5.4	Monthly discharge patte	ern expresse	ed in:										
	□ Cubic meters												
	Percentage (%) of total				OR								
	☐ Another unit of measure				OR								
	If "Another unit of measur applied to the monthly dis	re" was selecte scharge pattern	d, specify details:	the "unit	of measu	re" to be							
	If "Another unit of measur applied to the monthly dis	re" was selecte scharge pattern Minimu	details:	the "unit		re" to be Average				Maxi	mum		
	If "Another unit of measur applied to the monthly dis January	scharge pattern	details:	the "unit						Maxi	mum]
	applied to the monthly dis	scharge pattern	details:	the "unit						Maxi	mum		
	applied to the monthly dis January	scharge pattern	details:	the "unit						Maxi	mum		
	applied to the monthly dis January February	scharge pattern	details:	the "unit						Maxi	mum 		
	applied to the monthly dis January February March	scharge pattern	details:	the "unit						Maxi	mum 		
	applied to the monthly dis January February March April	scharge pattern	details:	the "unit						Maxi	mum		
	applied to the monthly dis January February March April May	scharge pattern	details:	the "unit						Maxi	mum		السيال السيارات السيارات السيارات
	applied to the monthly dis January February March April May June	scharge pattern	details:	the "unit						Maxi	mum		
	applied to the monthly dis January February March April May June July	scharge pattern	details:	the "unit						Maxi	mum		
	applied to the monthly dis January February March April May June July August	scharge pattern	details:	the "unit						Maxi	mum		السياريا أساريدا أساريدا أساريدا
	applied to the monthly dis January February March April May June July August September	scharge pattern	details:	the "unit						Maxi	mum		

-			-						
2	5	5	- II	nfa	ke	w	'n	te	r

2.5.6

	National Property of the Park	lational 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							
A STATE OF THE STA	☐ Yes ☐ No							
	☐ Yes ☐ No							
Average dispo	osal volume / disc	harge volume onto the land	/ facility					
Average disposal	volume		Time Interval:	Per Month	☐ Per Annum			
(cubic meters) Maximum disposa anticipated (cubic			Time Interval:	Per Month	☐ Per Annum			

		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)	7.97		,	
Temperature (°C)				
Acidity (mg/l)				
Alkalinity (mg/l)	143			
Aluminium (mg/l)	0.01			
Ammonia (mg/l)				
Arsenic (mg/l)	< 0.01		-	
Barium (mg/l)				
Boron (mg/l)				
Bromide (mg/l)				
Cadmium (mg/l)	< 0.003			
Calcium (mg/l)	95			
Chemical oxygen demand (mg/l)	34			
Chloride (mg/l)	47			
Chromium (mg/l)	< 0.01			
Chromium(vi) (mg/l)				

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)	< 0.01			
Copper (mg/i)	0.02			
Cyanide (mg/l)				
Fluoride (mg/l)	0.6			
Iron (mg/l)				
Lead (mg/l)	< 0.01			
Lithlum (mg/l)				
Magnesium (mg/l)	22			
Manganese (mg/l)				
Mercury (mg/l)	< 0.001			
Molybdenum (mg/l)				
Nickel (mg/l)	0.01			
Phenol (mg/l)	< 0.005			
Potassium (mg/l)	21			
Radionuclides (mg/l)				
Soap, oil or grease (mg/l)				
Sodium (mg/l)	38			
Sulphate (mg/l)	180			
Tin (mg/l)				
Total dissolved solids (mg/l)	544			
Total suspended solids (mg/l)				
Total nitrogen (mg/l)				
Total phosphorus (mg/l)				
Uranium (mg/l)			·	
Vanadium (mg/l)	< 0.01			
Zinc (mg/l)	0.02		· · · · · · · · · · · · · · · · · · ·	

3.	RECEIVING ENVIRONMENT/RECEPTOR					
	*	The resource that needs to be protected and related issues such as: how close to surface water, groundwater nether communities use boreholes or abstract 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 to location where discharge is taking place River / Stream Dam Lake Wetland GWS Scheme Marine Other (please specify below)				
		b) Name / description of the nearest surface water resource: DOORNPOORT DAM				
		c) Distance to the nearest water resource (meters)				
3.1.2	Description of Groundwater Resources (Mark only one box with an X)	a) Type of groundwater resource, nearest to location where discharge is taking place Spring / Eye Borehole Borehole Other (please specify below)				
		b) Name / description of the nearest surface water resource FOUR (4) SPRINGS OCCUR ON SITE				
3.2	Drainage Region Details	c) Distance to the nearest groundwater resource (meters) Quaternary Drainage Region B 1 1 K				
J.M	go 110gioii #0tallo	Sections, Statings (10graf)				

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Property Name	Surveyed Property		Unsurveyed property	y Re
PORTION 60 OF THE	Title Deed Number	T4136/2009	Surname of the Leader of Village, Community or Tribal Authority.	From: To: 2009 CURRENT
TANIM JOUBERT SKUS I 310 JS	Surveyor-General Cadastral Code	T0JS000000000310000	Initial of the Leader of Village, Community or Tribal Authority	
	Property Number	310	Local Authority (tf applicable)	
	Portion of property	09	Magisterial District (if applicable)	
			Tribal Authority/Council (rf applicable)	
	Title Deed Number		Sumame of the Leader of Willage, Community or Tribal Authority	
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority	
	Property Number		Local Authority (frapplicable)	Other manual
	Portion of property		Magisterial District (if applicable)	
			Tribal Authority/Council (riapplicable)	
	Title Deed Number		Surname of the Leader of Village, Community or Tribal Authority	
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Triba Authority	
	Property Number		Local Authority (if applicable)	
	Portion of property		Magisterial District (ff applicable)	1
			Tribal Authority/Council (ff.applicable)	
	Title Deed Number	Author State Control and Author State Control	Sumame of the Leader of Village, Community or Tribal Authority	
	Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribar Authority	
	Property Number		Local Authority (if applicable)	
	Portion of property		Magisterial District (if applicable)	
			Tribal Authority(Council (Familicatia)	

4.	DISPOSAL OF W	ASTE			With the second		
4.1	Commonly used de	escription	of waste types	to be dispose	d		
.1.1	Description of the types of waste to be disposed (Mark the applicable type option(s) with an X and/or complete details where applicable/available.)						
	Sewage Sludge				Household Refuse		
	☐ Industrial Sludge				Farming Waste		
					Dry Industrial Waste		
	☐ Hazardous Waste				Industrial Liquid		
	☐ Industrial Ash (all inc	lustries)		\boxtimes	Other		
	Power Generation				Specify Other: STOR	M WATER RUNOFF	***
.1.2	Approximate maxin	num volun	ne/tonnage pe	r site per day			
1.1.3	Approximate total tonnage per site per annum tons				tons		
	••	tons					
						I TONE	
2	Tuno of wasto man	agamant f	a cilitu			tons	
.2 .2.1	Type of waste man	-	-			tons	
		or 'facility	,1				
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o	or 'facility 'orm) vaste	,1	'S DAM (STO	RMWATER MANAG		
.2.1	Name of waste site (Refer attached DW905 f	or 'facility 'orm) vaste	HARRY	''S DAM (STO Waste Managemer			
	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o	or 'facility 'orm) vaste	HARRY			EMENT DAM)	n:
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X)	or 'facility form) vaste only one box	HARRY	Waste Managemer Estimated	nt Facility Type Disposal started on	EMENT DAM) n: Disposal ceased or (if applicable)	m:
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands	or 'facility form) vaste only one box Select with X	HARRY	Waste Managemer Estimated	nt Facility Type Disposal started on	EMENT DAM) n: Disposal ceased or (if applicable)	n:
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps	or 'facility form) vaste only one box Select with X	HARRY	Waste Managemer Estimated	nt Facility Type Disposal started on	EMENT DAM) n: Disposal ceased or (if applicable)	n:
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams	or 'facility form) vaste nly one box Select with X	HARRY	Waste Managemer Estimated	nt Facility Type Disposal started on	EMENT DAM) n: Disposal ceased or (if applicable)	m:
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting	or 'facility form) vaste inly one box Select with X	HARRY	Waste Managemer Estimated	nt Facility Type Disposal started on	EMENT DAM) n: Disposal ceased or (if applicable)	n:
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting Domestic Waste	or 'facility form) vaste inly one box Select with X	HARRY	Waste Managemer Estimated	nt Facility Type Disposal started on	EMENT DAM) n: Disposal ceased or (if applicable)	n:
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting Domestic Waste Effluent Dams Evaporation	or 'facility form) vaste nly one box Select with X	HARRY	Waste Managemer Estimated	nt Facility Type Disposal started on	EMENT DAM) n: Disposal ceased or (if applicable)	m:

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:	_			44	
(Specify other)					
Open Cast Voids					
Oxidation Ponds					
Polluted Storm Water System	\boxtimes	. 7 5			2 0 1 6 0 1 0 1
Recycling					
Return Water Dams					
Silt Dams					
Slag Dumps					
Slimes/Tailings Dams					
Sludge Drying Beds					
Sludge Ponds/Lagoons					
Waste Rock Dump					
Waste Storage					
Waste Treatment Plant					
(Specify)	Chargol	d waste reproce	essing plant		

5.	LIST OF SUPPOR	TING TECHNICAL INF	ORMATION		
5.1	Confirm that the followin	g forms have been included	in this application		
	DW901		☐ No		
	DW902		☐ No		
	DW905	⊠ Yes	☐ No		
5.2	Mark with an X if these d	ocuments have been submit	ted with this applica	tion	
	Environmental Impact Asse	essment (EIA)			
	Environmental Manageme	nt Programme (EMPR)			
	Standard Environmental M	anagement Programme			
	Integrated Water and Wasi	te Management Plan (IWWMP)		
	Integrated Water Use Licer	nce Application Report			
	Report on Waste Water Qu	uality (solute load, seasonal ch	anges, etc.)	\boxtimes	
	Report on Industrial Proces	ss Generating Waste water		\boxtimes	
	Geohydrological Report			\boxtimes	
	Civil Designs				
	Contingency Plan for Failu	res and Malfunctions of Syster	n		
	Monitoring Programme(s)			\boxtimes	
	Topographical Map (1:50 0	000)			
	National Water Act (Act No	36 of 1998) – Section 27 Eva	luation		
	DW760 NWA-Section 21(a) ·		\boxtimes	
	DW761 NWA-Section 21(b)			
	DW762 NWA-Section 21(b)			
	DW763 NWA-Section 21(c)			
	DW764 NWA-Section 21(d)			
	DW765 NWA-Section 21(e)			
	DW766 NWA-Section 21(f)	1			
	DW767 NWA-Section 21(g)		\boxtimes	
	DW768 NWA-Section 21(i)				
	DW780 NWA-Section 21(h)		and the same of th	
	DW805 NWA-Section 21(j)				
	DW903				
	DW904				
	Other (specify other docum	nents submitted with this form)			
	D W 7 8 5				
	D W 7 8 8			\boxtimes	
	D W 7 5 8				
	[D] 44 [7] 2 [0]			K7	

THIS SECTION IS RESERVED FOR OFFICE USE ONLY

5.

6.1 Management Classification Details	sification Details			erie energiere für erführe für erfehre der eine eine eine erreichte der erfehre erfehre er erfehre erfehre er	of Application and and announce of the Control of t	Community and the community of the property of the community of the commun
Waste Generating Sector	Waste Disposal Site Type	Lining System	Constituent (Quality Variable)	Management Classification (Mark applicable option(s) with an X)	th an X)	
				Best practice leading to zero impact	Standard/minimum requirements	Poor practice
Mining	Slimes/Tailings Dams		Salinity, pH, SO4, CI, Na, heavy metals	%0 □	0.75%	1.5%
	Evaporation Dams/Ponds		Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	0.75%	1.5%
	Effluent Dams		Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	0.75%	1.5%
	Return Water Dam		Salinity, pH, SO4, CI, Na, heavy metals	%0 <u> </u>	0.75%	1.5%
	Forced Evaporation		Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	0.75%	1.5%
	Ash Dams/Dumps		Salinity, pH, SO ₄ , Ci, Na, heavy metals	%0 □	0.75%	1.5%
	Open Cast Voids	200	Salinity, pH, SO4, CI, Na, heavy metals	%0 □	□ 0.75%	1.5%
	Waste Rock Dump		Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	0.75%	1.5%
	Polluted Storm Water System		Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 	0.75%	1.5%

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Waste Generating Sector	Waste Disposal Site Type	Lining System	Constituent	Management Classification	1	
			(Quality Variable)	(Mark applicable option(s) with an X)	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, CI, Na, heavy metals	%0 □	1%	10%
		Clay liner	Nutrients, COD, pathogens	%0 □	1%	7.5%
			Salinity, pH, SO _{4,} CI, Na, heavy metals	%0 □	2.5%	10%
	Artificial Wetlands	Synthetic liner	Nutrients, COD, pathogens	%0 []	0.5%	7.5%
			Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 🗌	1%	10%
		Clay liner	Nutrients, COD, pathogens	%0 □	1%	7.5%
			Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	2.5%	10%
	Polluted Storm Water System		Nutrients, COD, pathogens	%0 🗌	%	%
			Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 <u></u>	%	%

	Mark the site elegation w	th on V /astu ass satter week to	(D		
	GCB+	th an X (only one option may be selec			
	☐ GCB-	☐ GSB-	∐ GMB+		☐ GLB+
	☐ H:H	☐ H:h	∐ GMB-		☐ GLB-
	Legend	<u> </u>			
	· · · · · ·	nate resulting in only sporadic leachate	neneration	С	Communal Landfill
	1	mate resulting in significant leachate g	-	S	Small Landfill
		landfill for general waste			Medium Landfill
	H:H Hazard waste lar	odfill that can receive waste with a haz	ard rating of 1 and 2		Large Landfill
	ľ	dfill that can receive waste with a haz			-
	Site classification Date (ccy	ymmdd)			78.
6.3	Authorisation / Regula	·	<u>J 1 1 1 1 1 1 1 1 1 </u>		
6.3.1	Authorisation/Regulation Type	e (mark the applicable option with an X	()		
	Licence (*Registration of	a Waste Management Facility in term	s of Section 21(g) of the	National Wa	ater Act".)
		Waste Management Facility in terms			*
		f a Waste Management Facility in tern			,
		of a Waste Management Facility in te			
6.3.2	Applicable Authorisation / Reg				,
	Environment Conservation Ac	OR t Permit Number			
3.3.3	The authorisation/regulation is (ccyymmdd)	valid from		Until (ccyymmdd)	
5,4	Succession transfer an	d source part 2 details			
5.4.1	ls this a 'succession in	title' related water use transfe	er?	Yes	☐ No
3.4.2	If yes, complete the foll	owing details where applicab	le.		
	Source Register Number	WU Number	WU Status to be	Allocated	WU Close Date (if applicable) (ccyymmdd)
.5	District Municipality				
	District Municipality Name (if ap	olicable)			
	(i. 2p				

6.6	Billing information		
6.6.1	Applicant to be billed as:		
	☐ Water User or	☐ Via a WUA/WSP	Start Date (ccyymmdd) End Date (ccyymmdd) Water User
6.6.2	Bill Incentive charge:		Control of the comment of the commen
	On actual load(s) or	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/WSP:		
	Name of WUA/WSP		
	Is WUA/WSP a Billing Agent?	☐ Yes ☐	No
	Billing Agent's Register Number		
6.6.5	If this WU is to be billed via a Name of Customer	Bulk Billing Party th	at is not a WSP/WUA, complete the following:
	Bulk-Bill-to-Party Register Number		
6.7	Waste management scheme	information	
	Waste scheme name (if applica	ble)	
	If the Waste Scheme is ap (Waste Scheme Management)	plicable, provide WSMP ent Parameter Name)	
	 Specify the date from whic water use (ccyymmdd) 	h this WSMP is applicable t	o this
6.8	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 v	vater use charge outstanding	g at the date of registration which ever is greater
	Specify the penalty amount payable		
	☐ Walve penalty		

DW763	7
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Authorisation details							
Water use takes/took place in terms	of the General Authorisation:	☐ Ye	S		No		
*If yes complete the following details after confir	mation with relevant DWAF/CMA officials:						
Date(s) from which applicable GA is/was applicable to this water use							
South African Act:	Applicable so	action of the	oot				
[E.g. Nationa	Water Act (Act No. 36 of 1998)]	oction of the		E.g. Section	n 21]		
Date From (ccyymmdd)	Government Notice N	0.					
Dale To (ccyymmdd)	Government Notice D (ccyymmdd)	ate	-				
Applicable Section Of The General Authorisation	n						
Date From (ccyymmdd)	Government Notice No).			<u>-</u>		
Date To (ccyymmdd)	Government Notice Da (ccyymmdd)	ate					
Applicable Section Of The General Authorisation	<u> </u>						
Date From (ccyymmdd)	Government Notice No),					
Date To (ccyymmdd)	Government Notice Da	ite					
Applicable Section Of The General Authorisation	` !						
If an auditorial to the second		w/Regula	tion deta	ails if			
If an authorisation has been issued un known/available. If this application represents a licence application) – complete following deta Responsible Licensing Authority Reference Responsible Licensing Authority Business Unit	related water use (new licence applic	•	revious	ly subm	itted		

UW/67
Water Quality Management Assessment:
Surname
Das Wing / Das Is
Position / Rank
Signature Date (ccyymmdd)
File number (i.e. Office Hardcopy Register File No)
Waste Management Facility Number
Water Use Register Number
Received by:
Surname
Initials
Position / Rank Position / Rank
Signature Date (ccyymmdd)
Captured on NRWU database
Captured by: Surname
Signature
Date stamp of receiving office
Quality Assurance Executed by: Surname
Initials
Position / Rank
Signature Date (ccyymmdd)



SUPPLEMENTARY WATER USE INFORMATION

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

DETAILS OF WASTE MANAGEMENT FACILITY

1.	WASTE MANAGEMENT FACILITY DETAILS					
1.1	Name of Waste Management Facility HARRY'S DAM - CURRENT STORM WATER DAM					
1.2	Fatal flaw indicators If any of the following criteria apply to the site, or will apply to a proposed site, mark with an X					
	In an area below the 1 in 100 flood line of any watercourse					
	In unstable areas (e.g. fault zones, seismic zones, dolomitic or karst areas, areas with sinkholes or subsidence)					
	In sensitive ecological and/or historical areas					
	In a catchment area for important, "significant" or sensitive surface water resources					
	In an area with shallow or emergent groundwater, or characterised by flat gradients (wetlands, vleis, springs, etc.)					
	In an area characterised by steep gradients (e.g. where problems with stability could be experienced)					
	Areas of groundwater recharge on account of topography and/or highly permeable soils					
	Overlaying or adjacent to important or potentially important aquifers (Parsons classification: Sole source, major)					
	Within an area with shallow bedrock and limited available cover material					
	Areas in close proximity to land uses that are incompatible with waste disposal activities					
	Areas where adequate buffer zones are not possible					
1.3	Method of disposal					
	☐ Trenching ☐ Ash-blending ☐ Co-disposal					
	☐ Other (specify) STORAGE AND EVAPORATION OF CONTAMINATED STORM WATER RUNOFF FROM THE SITE					
1.4	Distance from nearest borehole used for drinking water or stock watering meters					
1.5	Distance from the edge of nearest downstream surface water resource 2 0 0 meters					
1.6	Lining of the site					
	a) The site is / will be					
	b) If lined, the lining system is					
	(Mark the applicable option with an X) Composite lining system					

1.7	Total area of 'property' on which waste is disposed	6 4 hectares
1.8	Area of actual waste body ("footprint" area)	0 . 7 5 hectares
1.9	Dimensions of waste site	
	a) At commencement b) After rehabilitation c) Available air space d) Total volume already used for waste disposal e) Accuracy of above volumes	Length Breadth 2 1 2 5 1 0 0 meters 0 0 0 0 0 meters 0 cubic meters cubic meters 0 cubic meters cubic meters
1.10	Buffer Zone	
	a) Actual distance to the boundary of the nearest: • Formal reside • Informal reside • Industrial Are b) Buffer zone determination done by	idential area 1 7 0 0 m ea 0 m
1.11	Location of Waste Management Facility	
		to of the weets management facility.
1.11.1	Geographical location for each of the external corner points	is of the waste management facility.
Latitude	S " or S .	° or S 2 5 ° 5 1 . 7 8 7 ,
Longitude	E . " or E .	° or E 2 9 ° 1 4 . 0 3 5 ,
	Datum Type:	VGS-84
Latitude	S " or S .	° or S 2 5 ° 5 1 . 8 2 2 ,
Longitude	E , or E .	° or E 2 9 ° 1 4 . 0 6 9 ,
		VGS-84
Latitude	S	
Longitude	E	° or E 2 9 ° 1 4 . 0 3 3 1
	Datum Type:	VGS-84
Latitude	S	° or S 2 5 ° 5 1 . 8 1 4 ,
Longitude	E	° or E 2 9 ° 1 4 . 0 0 6 ,
	Datum Type:	VGS-84
Latitude	S	° or S ,
Longitude	E	° or E . ,
	Datum Type:	VGS-84

1.11.2	Drainage Region	Details:	Quaternary Drainage Re	egion B	1 1 1		
1.12	Climatic water be The wettest six month The wettest years dur	ns of the yea	ar are \times \t	·	details with both rain	May to Octo	
	Rating	Year	Total rainfall for 6 months		evaporation (A-pan) for 6 months		Official use
1.13	3rd wettest 4th wettest 5th wettest 6th wettest 7th wettest 8th wettest 9th wettest 10th wettest Site-specific water bal If leachate is visible (for other site specific water) Details of the pe	for existing factors	0	mm		mm	
	Surname Initials &/or First Na	me [BESTER CM				
	Title	[MR	ID.	No.	710608 5004 08 1	
	Phone Number		013 690-8245	Ex	t _	1	
	Fax Number		013 690-8380	Ce	ellphone	1. Annual - 1.	
	E-mail Address		nellis.bester@siliconsmelters.				
	Highest Educational Qualification	_	☐ Grade 8 / Std 6 ☐ Diploma	_	ade 10 / Std 8 her Diploma		Matric Degree

l	Type of operation				
	Landfill or Landbuild	☐ Transfer station	Recycling facili	ity Incinerator	
	☐ Composting plant	Storage area	☐ Treatment plan	nt	
	☐ Encapsulation	Other (specify)			
2	Length of time of the ope	ration Start Da (ccyymi		End Date (ccyymmdd) 2 0 1 6 0 1 0	
i	Is sufficient cover materia	al on site?	Yes	⊠ No	
•	Covering and burning of	waste (mark applicable	options with an X)		
	Daily compaction and cover	ing	Weekly compa	action and covering	
	Burning of waste				
5	Is leachate management	system present?	☐ Yes	⊠ No	
;	Storm water managemen	t (mark the applicable o	otions with an X)		
	Upstream cut-off trenches			○ Contaminated storm water storage facility	

	Tick the options that describe the management practices for the waste	facility or site	
rtificial 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	☐ No
ffluent 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 pag

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	Lined facility (synthetic or clay)	Yes	□ No
Ponds	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
m. v		☐ Yes	⊠ No
Polluted Stormwater	Storm water discharged directly to the resource	∐ Yes ⊠ Yes	□ No
System	Collection system incorporating the plant, raw material stockpiles and waste disposal facilities	Γ7 1¢3	<u></u>
	Clean stormwater separated from stormwater draining "dirty" sites or facilities	X 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
1			
			Continued on next page

Sewage Treatment	Pump stations operational	Yes	☐ No
Works	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
			Continued on next page

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

ste Treatment	Capacity to handle the 1:50 year storm event	⊠ v		
nt	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	⊠ Yes ⊠ Yes	□ No	
	Any other practice:	⊠ tes	☐ No	

Surname	it Assessment:		Initials
Position / Rank			
Signature		Date	
File number (i.e. Office Ha	rdcopy Register File No)		
Vaste Management Facili	y Number		
Nater Use Register Numb	er llllll		
Received by:			
Surname			
nitials			
Position / Rank			
Bignature		Date	
		371111111111111111111111111111111111111	
Captured on NRWU datab	ase		
Captured by:			
Surname			
nitials			
Signature			
			Date stamp of receiving office
Quality Assurance Execute	ed by:		
Gurname			Initials
Position / Rank			
Signature		Date	
, , ,			

New Storm Water Dam



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			
VCCCTV-C	Mark the applicable option(s) with an X and/or co	mplete details where applicable	/available.	
1.1	Indicate the nature of this application:	∠ Licence		Registration (only)
1.2	Have you already registered a water use with the Department of Water Affairs and Forestry?	Yes Registration number: Water use number:		No
1.3	Indicate if Section 21(j) is applicable to this water use application:	for the safety of people. Yes	ry for the e	fficient continuation of an activity or No
		been submitted.	ensure thai	t a DW805 application form has
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),	Yes Licence number:		No
	Water Act (Act No. 54 of 1956)		OR	
	or the Environmental Conservation Act (Act No. 73 of 1989))	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) Provincial Department (complete 1.9) Water Services Provider (complete 1.10) 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 / 1 9 0 3 6 / 0 7
1.7.3	Date Established (ccyymmdd)
	Country Where Established REPUBLIC OF SOUTH AFRICA
1.8 1.8.1	If the applicant is a National Department: National Department Name:
1.9 1.9.1	If the property owner is a Provincial Department:
1.9.2	Province: Provincial Department Name:
1.5.2	
1.10 1.10.1	If the property owner is a Water Services Provider: Name of WSP:
1.11 1.11.1	If the property owner is a Water User Association: Name of WUA:

Delete the words that are not applicable I/we <u>C</u>	ORNELIUS MULLER BESTER	
the information provided by me/us in this application	on form is, to the best of my/our knowled	(FULL NAME(S)) hereby declare the declared the
As .		
Signature GENERAL MANAGER	Thumb print	Contact number during office hours
Designation of signatory	TOTAL AND	013 690 8245
Designation of signatory		Date (ccyy/mm/dd): 2012-08-22

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

.1	Select the sector that		Agriculture			
	generates the		Aquaculture		Intensive Animal Husbandry	
	wastewater or waste which this application		Irrigation		Other (please specify below)	
	refers to		Urban / Domestic			
	(Mark only one box with an X)		Sewage Treatment Works	П	Water Treatment Works	
	(Note, if more than one option is applicable, you must fill in a	ore than one option is Waste Disposal			Trace Trace Trace	
	separate application form per sub-		Industry			
	sector)	П	Agroprocessing	П	Meat Processing	
			Fertilisers		Manufacturing	
			Metal Processing And Finishing	П	Paper And Pulp	
			Textile		Winery	
			Power Generation		Other (please specify below)	
		LJ	Fower Generation	LJ	Other (please specify below)	
			Mining			
			Coal		Diamond	
			Gold		Sand-winning	
			Platinum		Quarrying	
			Copper		Peat Mining	
			Chromium		Uranium	
			Iron		Other (please specify below)	
2	Which of the following describes the <u>nature</u> of the wastewater?	2.2.1 Wastewater containing <70% water by mass (i.e. sludge) 2.2.2 Wastewater containing >70% water by mass			<u> </u>	
	(Mark the applicable option(s) with an X)	2.2.3 Wastewater with high acidity (i.e. pH <5) or alkalinity (i.e. pH >10)				
		2.2.4 Wastewater with temperature of >50°C				
			2.2.5 Wastewater with an oxygen content of <5 mg/l			
		2.2.6 Wastewater with an EC (Electrical Conductivity) of >500mS/m				
		2.2.7 Wastewater with an EC of <500mS/m			<u> </u>	
3	Which of the following		2.3.1 Wastewater consisting of > 90% organic content by mass (i.e. load)			
	describes the composition of the	2.3.2 Wastewater consisting of 50 – 90% organic content and 10 – 50% metals or salts by mass (i.e. load)				
	wastewater? (Mark the applicable option(s) with an X)	2.3.3 Wastewater consisting of 10 – 50% organic content and 50 – 90% metals or salts by mass (i.e. load)				
		2.3	4 Wastewater consisting of >90% metal	ls or salts b	y mass (i.e. load)	\boxtimes
ļ	Describe the activity that generates the waste	Cor	ntaminated Storm Water Runoff from the	site		

2.5	Discharge to a land based	d facility					
2.5.1	Water use start & end date						
	When did/will this water use star	? (ccyymmdd)	2 0 1 2 0 1 0 1				
	When did/will this water use end (ccyymmdd)	? (If applicable)					
2.5.2	The total volume of waste	I waste water discharged p	per year: 4 1 0 3 5 Cubic mete				
2.5.3	The maximum volume of waste / waste water discharged on any given day:						
2.5.4	Monthly discharge patter	n expressed in:					
	□ Cubic meters						
	Paranta ve (n/) et et e		OR				
	Percentage (%) of total		0.0				
	Another unit of measure		OR				
	If *Another unit of measure' applied to the monthly discl	was selected, specify the "unit of me narge pattern details:	easure" to be				
		Minimum	Average Maximum				
	January		7 0 8 3				
	February		5 4 1 7				
	March		4694				
	April		2688				
	May		1030				
	June		4 9 2				
	July		427				
			4 1 9				
	August						
	August September		1 4 0 3				
	·		3 9 8 0				
	September						

2.5.5 Intake Water

National Water Act - Section 21(a/b/g/j) Water Use						
A A A A A A A A A A A A A A A A A A A		Volume of water applicable to this waste discharge (m³)	If Registered*			
Section 21(?)	Registered*		Register Number	Water Use Number	Waste Management Facility Name	
G	☐ Yes ⊠ No	41 040/annum	manual and a second a second and a second an			
	☐ Yes ☐ No					
	☐ Yes ☐ No					
	☐ Yes ☐ No					

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

Average disposal volume	41 035	Time Interval:	Per Month	□ Per Annum
(cubic meters) Maximum disposal volume	7 083	Time Interval:	Per Month	Per Annum
anticipated (cubic meters)				

	Concentration	For Office Use Only		
Quality Variable And Unit Of Measurement		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)	7.97			
Temperature (°C)				
Acidity (mg/l)				
Alkalinity (mg/l)	143			
Aluminium (mg/i)	0.01			
Ammonia (mg/l)				
Arsenic (mg/l)	< 0.01			
Barium (mg/l)				
Boron (mg/l)				
Bromide (mg/l)				
Cadmium (mg/l)	< 0.003			
Calcium (mg/l)	95			
Chemical oxygen demand (mg/l)	34			
Chloride (mg/l)	47			
Chromium (mg/l)	< 0.01			
Chromium(vi) (mg/l)				

Continued on next page

		For Office U	se Only
Quality Variable And Unit Of Measurement	Concentration	Waste Load Onto Facility (kg)	NPS Load (kg)
Cobalt (mg/l)	< 0.01		
Copper (mg/l)	0.02		
Cyanide (mg/l)			
Fluoride (mg/l)	0.6		
Iron (mg/l)			
Lead (mg/l)	< 0.01		
Lithium (mg/l)			
Magnesium (mg/l)	22		
Manganese (mg/l)			
Mercury (mg/l)	< 0.001		
Molybdenum (mg/l)			
Nickel (mg/l)	0.01		
Phenol (mg/l)	< 0.005		
Potassium (mg/l)	21		
Radionuclides (mg/l)			
Soap, oil or grease (mg/l)			
Sodium (mg/l)	38		
Sulphate (mg/l)	180		
Tin (mg/l)			
Total dissolved solids (mg/l)	544		
Total suspended solids (mg/l)			
Total nitrogen (mg/l)			
Total phosphorus (mg/i)			
Uranium (mg/l)			- Andrew Comments of the Comme
Vanadium (mg/l)	< 0.01		
Zinc (mg/l)	0.02		

3.	RECEIVING ENVIRON	MENT/RECEPTOR
		The resource that needs to be protected and related issues such as: how close to surface water, groundwater nether communities use boreholes or abstract 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 to location where discharge is taking place River / Stream Dam Lake Wetland GWS Scheme Marine Other (please specify below)
		b) Name / description of the nearest surface water resource: DOORNPOORT DAM
		c) Distance to the nearest water resource (meters)
3.1.2	Description of Groundwater Resources (Mark only one box with an X)	a) Type of groundwater resource, nearest to location where discharge is taking place Spring / Eye GWS Scheme Borehole Boreholes And Windmills On Government Land Other (please specify below)
		b) Name / description of the nearest surface water resource FOUR (4) NATURAL SPRINGS OCCUR ON THE PROPERTY
3.2	Drainage Region Details	c) Distance to the nearest groundwater resource (meters) Quaternary Drainage Region B 1 1 K

3.3 Property Relationship Details (Complete supplementary forms DW901 & DW902)

Surveyed Property				
		visureyed property	Property Date	Property Relationship Date
Title Deed Number	T4136/2009	Surname of the Leader of Village, Community or Tribar Authority	2009	CURRENT
Surveyor-General Cadastral Code	T0JS000000000310000	Initial of the Leader of Village, Community or Tribal Authority	i.	
Property Number	310	Local Authority (if applicable)		
Portion of property	09	Magisterial District (if applicable)	TO THE PARTY OF TH	
		Tribal Authority/Council (if applicable)		
Title Deed Number	The Continued for the state of the Continued for	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	The state of the s	Local Authority (if applicable)		
Portion of property	The state of the s	Magisterial District (if applicable)		
		Tribal Authority/Council (if applicable)		
Title Deed Number	refered between an extensive way says and the street and an extensive and restrictive the content and an extensive and an ext	Surname of the Leader of Village, Community or Tribal Authority		
Surveyor-General Cadastral Code		Initial of the Leader of Village, Community or Tribal Authority		
Property Number		Local Authority (if applicable)	all control	
Portion of property.		Magisterial District (if applicable)	1	
		Tribal Authority/Council (if applicable)		
Title Deed Number	enterling with the first of the second of th	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)	1	
Portion of property		Magisterial District (if applicable)		
		Triba Authority/Council ((Fapolicable)	OV Residence	

4.	DISPOSAL OF W	ASTE			STEEN ST	allegge tradelised as particular to the particular an exercise and the particular and the	
4.1 4.1.1	Commonly used description of waste types to be disposed Description of the types of waste to be disposed (Mark the applicable type option(s) with an X and/or complete details where applicable/available.) Sewage Sludge						
	☐ Sewage Sludge				Household Refuse		
	☐ Industrial Sludge				Farming Waste		
	☐ Mining Waste				Dry Industrial Waste	1	
	☐ Hazardous Waste				Industrial Liquid		
	☐ Industrial Ash (all ind	lustries)			Other		
	☐ Power Generation			;	Specify Other:	STORM WATE	ER RUNOFF
4.1.2 4.1.3	Approximate maxim				237 m ³		tons tons
	Type of waste man Name of waste site (Refer attached DW905 t	or 'facility	,	DAM WATER CON	TROL DAM		
1.2.1	Name of waste site	or 'facility iorm) vaste	STORM	WATER CON			
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o	or 'facility iorm) vaste	STORM				Disposal ceased on: (if applicable) (ccyymmdd)
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X)	or 'facility form) vaste only one box	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		
.2.1	Name of waste site (Refer attached DW905 the select the type of with an X) Artificial Wetlands	or 'facility form) vaste only one box Select with X	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		(if applicable)
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams	or 'facility form) vaste only one box Select with X	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		(if applicable)
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting	or 'facility form) vaste fully one box Select with X	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		(if applicable)
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting Domestic Waste	or 'facility form) vaste fully one box Select with X	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		(if applicable)
.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting Domestic Waste Effluent Dams	or 'facility form) vaste nly one box Select with X	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		(if applicable)
3.2.1	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting Domestic Waste Effluent Dams Evaporation Dams/Ponds	or 'facility form) /aste rily one box Select with X	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		(if applicable)
1.2 1.2.1 1.2.2	Name of waste site (Refer attached DW905 f Select the type of w disposal site (Mark o with an X) Artificial Wetlands Ash Dams / Dumps Coal Dams Composting Domestic Waste Effluent Dams Evaporation	or 'facility form) vaste nly one box Select with X	STORM	WATER CON Naste Managemen Estimated	t Facility Type Disposal st		(if applicable)

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)	STOR	MWATER CON	TAINMENT D	4M	
Open Cast Voids					
Oxidation Ponds					
Polluted Storm Water System	\boxtimes	6 6		2 0 1 2 0 1 0 1	
Recycling					
Return Water Dams					
Silt Dams					
Slag Dumps					
Slimes/Tailings Dams					
Sludge Drying Beds					
Sludge Ponds/Lagoons					
Waste Rock Dump					
Waste Storage					
Waste Treatment Plant					
(Specify)					

5.	LIST OF SUPPOR	RTING TECHNICAL INF	ORMATION		
5.1	Confirm that the follow	ng 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	ted with this applic	ation	
	Environmental Impact As	sessment (EIA)			
	Environmental Managem	·			
		Management Programme			
		aste Management Plan (IWWMF	P)	\boxtimes	
	Integrated Water Use Lic	ence Application Report			
	Report on Waste Water	Quality (solute load, seasonal ch	nanges, etc.)	\boxtimes	
	Report on Industrial Proc	ess Generating Waste water		\boxtimes	
	Geohydrological Report			\boxtimes	
	Civil Designs				·
	Contingency Plan for Fa	ilures and Malfunctions of Syste	em		
	Monitoring Programme(s	s)		\boxtimes	
	Topographical Map (1:50	000)		\boxtimes	
	National Water Act (Act	No 36 of 1998) - Section 27 Ev	aluation		
	DW760 NWA-Section 2	l(a)		\boxtimes	
	DW761 NWA-Section 2	1(b)			
	DW762 NWA-Section 2	1(b)			
	DW763 NWA-Section 2	1(c)			
	DW764 NWA-Section 2	1(d)			
	DW765 NWA-Section 2	1(e)			
	DW766 NWA-Section 2	1(f)			
	DW767 NWA-Section 2	1(g)			
	DW768 NWA-Section 2	1(i)			
	DW780 NWA-Section 2	1(h)			
	DW805 NWA-Section 2	1(j)		. 🛛	
	DW903				•
	DW904				
		cuments submitted with this form	n)	672	
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(Version 1.1, 16 September 2009)

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5. THIS SECTION IS	THIS SECTION IS RESERVED FOR OFFICE USE ONLY	: USE ONLY				
6.1 Management Clas	Management Classification Details	# PACKAGE TO THE PACK	The Difference of the Control of the		MANAGER AND THE PROPERTY OF TH	ACCEPTED ACCEPTED TO THE PROPERTY OF THE PROPE
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)	
	100 mm			Best practice leading to zero impact	Standard/minimum requirements	Poor practice
Mining	Slimes/Tailings Dams		Salinity, pH, SO4, Cl, Na, heavy metals	%0 🗆	0.75%	1.5%
	Evaporation Dams/Ponds		Salinity, pH, SO4, Cl, Na, heavy metals	%0 🗌	0.75%	1.5%
	Effluent Dams	101.00	Salinity, pH, SO4, CI, Na, heavy metals	%0 <u> </u>	0.75%	1.5%
	Return Water Dam	7////	Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	0.75%	1.5%
	Forced Evaporation	77	Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	0.75%	1.5%
	Ash Dams/Dumps		Salinity, pH, SO4, CI, Na, heavy metals	%0 □	0.75%	1.5%
	Open Cast Voids		Salinity, pH, SO4, CI, Na, heavy metals	%0 □	0.75%	1.5%
	Waste Rock Dump	TO SERVE	Salinity, pH, SO4, CI, Na, heavy metals	%0 □	0.75%	1.5%
	Polluted Storm Water System		Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	0.75%	1.5%

Continued on next page

Continued on next page

Waste Generating Sector	Waste Disposal Site Type	Lining System	Constituent	Management Classification	u	
			(Quality Variable)	(Mark applicable option(s) with an X)	/ith an X)	The state of the s
The state of the s				Best practice leading to zero impact	Standard/minimum requirements	Poor practice
Industry	Evaporation Dams/Ponds	Synthetic liner	Salinity, pH, SO4, CI, Na, heavy metals	%0 	1%	10%
		Clay liner	Salinity, pH, SO ₄ , Cl, Na, heavy metals	%0 	□ 2.5%	10%
	Maturation Ponds		Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	10%	%
	Coal Dams	Clay liner and seepage drains	Salinity, pH, SO ₄ , heavy metals	%0 <u> </u>	1%	10%
	Polluted Storm Water System	Collection and containment facilities	Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 <u> </u>	1%	100% (no system)
		System captures 1:100 year storm-event	Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	%! _□	60-80% (system overflows 1:2 to 1:5 years)

Waste Generating Sector	Waste Disposal Site Type	Lining System	Constituent	Management Classification		
			(Quality Variable)	(Mark applicable option(s) with an X)	th 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, SO ₄ ,CI, Na, heavy metals	‰ □	1%	10%
		Clay liner	Nutrients, COD, pathogens	%0 []	1%	7.5%
			Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	2.5%	□10%
	Artificial Wetlands	Synthetic liner	Nutrients, COD, pathogens	%0 □	0.5%	7.5%
			Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	1%	10%
		Clay liner	Nutrients, COD, pathogens	%0 □	1%	7.5%
			Salinity, pH, SO ₄ , CI, Na, heavy metals	%0 □	2.5%	10%
	Polluted Storm Water System		Nutrients, COD, pathogens	%0 □	%	%
			Salinity, pH, SO4, CI, Na, heavy metals	%0 <u> </u>	%	%

6.2	Waste Disposal Site Cla	assification		
	Mark the site classification with	n an X (only one option may be selected))	
	GCB+	GSB+	GMB+	GLB+
	☐ GCB-	☐ GSB-	☐ GMB-	☐ GLB-
	□ н:н	☐ H:h		
	Legend			
	B- Water deficit clima	ate resulting in only sporadic leachate ge	eneration C	Communal Landfill
		nate resulting in significant leachate gene	eration \$	Small Landfill
		landfill for general waste	M	Medium Landfill
	1	dfill that can receive waste with a hazard		Large Landfill
	H:h Hazard waste land	dfill that can receive waste with a hazard	I rating of 3 and 4	
	Site classification Date (ccyy	·	44 Paris	
6.3	Authorisation / Regulat			
6.3.1		(mark the applicable option with an X)		
		a Waste Management Facility in terms o	,	·
		Waste Management Facility in terms of		
		f a Waste Management Facility in terms		
		of a Waste Management Facility in term	s of Section 20(1) of the Env	vironmental Conservation Act".)
6.3.2	Applicable Authorisation / Reg			
	Environment Conservation Ac	OR t Permit Number		
	Entriorimont Concorration / to			
6.3.3	The authorisation/regulation is (ccyymmdd)	valid from	Ur (ccyyn	
6.4	Succession transfer an	d source part 2 details		
6.4.1	Is this a 'succession in	title' related water use transfer	?	□ No
6.4.2	If yes, complete the foll	owing details where applicable	. .	
	Source Register Number	WU Number	WU Status to be Alloca	ted WU Close Date (if applicable) (ccyymmdd)
				[
			-	
6.5	District Municipality			
	District Municipality Name (if a	policable)		
		I /	THE STATE OF THE S	

6.6	Billing information			
6.6.1	Applicant to be billed as:			
	☐ Water User or	☐ Via a WUAWSP	Start Date (ccyymmdd)	End Date (ccyymmdd) Water User
6.6.2	Bill incentive charge:		51 (5 ()	
	On actual load(s) or	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/WS	SP:		
	Name of WUA/WSP			
	Is WUA/WSP a Billing Agent?	☐ Yes ☐	No	
	Billing Agent's Register Number			
6.6.5	If this WU is to be billed v	ia a Bulk Billing Party th	at is not a WSP/WUA, comple	ete the following:
	Bulk-Bill-to-Party Register Number	r		
6.7	Waste management sche	ne information		
	Waste scheme name (if app	olicable)		
	If the Waste Scheme is (Waste Scheme Mana)	applicable, provide WSMP gement Parameter Name)		
	Specify the date from water use (ccyymmdd)	which this WSMP is applicable to	o this	
6.8	Late registration penalty			
	Is this a late registration?	☐ Yes	☐ No	
	If yes, mark with an X, the applica	ble penalty to be levied		
	□ R300.00 OR			
	☐ 10% (ten percent) of the annu	al water use charge outstanding	at the date of registration which ever	is greater
	Specify the penalty amount payab	le	ı	
	☐ Waive penalty			
	☐ waive beliaity			

Water use	takes/took place in terms of	the General /	Authorisation:	Yes	☐ No
	te the following details after confirma				
	from which applicable GA is/was				
South African	Act:		Applicable section	on of the act	
	[E.g. National W	Vater Act (Act No.			[E.g. Section 21]
Date From (ccyymmdd)			Government Notice No.		
Date To (ccyymmdd)			Government Notice Date	1 1	
1	ction Of The General Authorisation		(ccyymmdd)	<u> </u>	
Date From			Government Notice No.		
(ccyymmdd) Date To			Government Notice Date		
(ccyymmdd)	ction Of The General Authorisation		(ccyymmdd)		
Date From (ccyymmdd)			Government Notice No.		
Date To (ccyymmdd)			Government Notice Date (ccyymmdd)		
Applicable Sec	tion Of The General Authorisation		(00),,,,,,,,		<u></u>
		er other legisl	ation - provide the Lawle	Pogulation de	
If an authoris	sation has been issued unde		and provide the Lawn	regulation del	alis ir
If an authoris known/availa	sation has been issued unde able.			•	
If this applica	ation represents a licence re	elated water u	Se (new licence application	or previous	du ouhwitte
If this applica	ation represents a licence re - complete following details	elated water u	se (new licence application	on or previous	sly submitted
If this applica application) -	ation represents a licence re	elated water u	se (new licence application	on or previous	sly submitted

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SUPPLEMENTARY WATER USE INFORMATION

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

DETAILS OF WASTE MANAGEMENT FACILITY

1.	WASTE MANAGEMENT FACILITY DETAILS
1.1	Name of Waste Management Facility NEW STORM WATER DAM
1.2	Fatal flaw indicators If any of the following criteria apply to the site, or will apply to a proposed site, mark with an X
	In an area below the 1 in 100 flood line of any watercourse
	In unstable areas (e.g. fault zones, seismic zones, dolomitic or karst areas, areas with sinkholes or subsidence)
	In sensitive ecological and/or historical areas
	In a catchment area for important, "significant" or sensitive surface water resources
	In an area with shallow or emergent groundwater, or characterised by flat gradients (wetlands, vieis, springs, etc.)
	In an area characterised by steep gradients (e.g. where problems with stability could be experienced)
	Areas of groundwater recharge on account of topography and/or highly permeable soils
	Overlaying or adjacent to important or potentially important aquifers (Parsons classification: Sole source, major)
	Within an area with shallow bedrock and limited available cover material
	Areas in close proximity to land uses that are incompatible with waste disposal activities
	Areas where adequate buffer zones are not possible
1.3	Method of disposal
	 ☐ Trenching ☐ Ash-blending ☐ Co-disposal ☐ Other (specify) STORAGE AND EVAPORATION OF CONTAMINATED STORM WATER RUNOFF FROM THE SITE
1.4	Distance from nearest borehole used for drinking water or stock watering
	meters
1.5	Distance from the edge of nearest downstream surface water resource
	2 0 0 meters
1.6	Lining of the site
	a) The site is / will be
	b) If lined, the lining system is
	(Mark the applicable option with an X) Composite lining system

				DISTO
1.7	Total area of 'property' on which waste is	disposed	6	4 hectares
1.8	Area of actual waste body ("footprint" area	n)	0 . 6	6 hectares
1.9	Dimensions of waste site			
	 a) At commencement b) After rehabilitation c) Available air space d) Total volume already used for waste disposal e) Accuracy of above volumes 	Height or depth 4 Surveyor	Length 6 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Breadth 6 3 meters cubic meters cubic meters
1.10	Buffer Zone			
	a) Actual distance to the boundary of the nearest:b) Buffer zone determination done by	 Formal residential a Informal residential Industrial Area Scientific method 		
1.11	Location of Waste Management Facility			
1.11.1	Geographical location for each of the exter	nal corner nointe of t	ha wasta mananar	nent facility
	Coograpmen reduced for each of the exter	nar corner points or t	no naoto manago	none money:
Latitude	S " or [8	° or	S 2 5 ° 5 1 . 5 8 9 ,
Longitude	E . " or	E .	° or	E 2 9 ° 1 3 . 7 2 4 ,
	Datum Type:	880) 🖾 WGS-84		
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1.11.2	Drainage Reg	gion Details:	Quaternary Drainage Re	egion B 1	1	
1.12		nonths of the year are		ber to April east one year's detail:		y to October vaporation detail completed)
	Rating	Year	Total rainfall for 6 months	evap (A-p	otal oration an) for onths	Official use
			1 1 3 9 8 8 5 8 8 0 7 3 4 6 8 1 6 8 1 6 6 7 6 6 6 9 6 5 9 6 0 3	mm	8 7 2 mm 8 8 1 mm 8 0 5 mm 8 5 2 mm 8 4 2 mm 7 8 7 mm 7 8 7 mm 8 4 8 mm 8 4 2 mm 8 5 1 mm	
1.13	Details of the Surname Initials &/or First Title Phone Number Fax Number E-mail Address Highest Education	Name CM MR 013 (ol of the site TER 690-8245 690-8380 bester@siliconsmelters.co	ID No. Ext Cellphon Za Grade 10		14 08 1

	Type of operation ☐ Landfill or Landbuild ☐ Composting plant	☐ Trans	sfer station		☐ Recycling facility ☐ Treatment plant	☐ Incinerator
	☐ Encapsulation		r (specify)			
	Length of time of the ope	eration	Start Date (ccyymmdd)	2 0	1 3 0 1 0 1	End Date (ccyymmdd)
	Is sufficient cover mater	ial on site?			Yes	⊠ No
	Covering and burning of Daily compaction and cove Burning of waste		capplicable optic	ons with an	X) Weekly compaction	on and covering
j	Is leachate management	system pre	esent?		Yes	⊠ No
;	Storm water managemen	n t (mark the a _l	pplicable options	with an X)		
	Upstream cut-off trenches				○ Contaminated sto	orm water storage facility
. •						

is generally lined (clay liners typically) and are designed to receive 12/d at a depth of 30 cm. vater and seepage drains are practice: is lined (synthetic or clay) opes stabilized to minimize erosion runoff collected into a dirty water storage facility on of percolated storm water via under drains into collection sumps, hould pump the water to a dirty water storage facility in ingress of water is prevented are practice:	Yes Yes Yes Yes Yes Yes Yes Yes	NoNoNoNoNoNoNoNoNo
is lined (synthetic or clay) opes stabilized to minimize erosion runoff collected into a dirty water storage facility on of percolated storm water via under drains into collection sumps, hould pump the water to a dirty water storage facility , ingress of water is prevented	Yes Yes Yes Yes	☐ No ☐ No ☐ No
runoff collected into a dirty water storage facility on of percolated storm water via under drains into collection sumps, hould pump the water to a dirty water storage facility , ingress of water is prevented	Yes Yes Yes	☐ No ☐ No
runoff collected into a dirty water storage facility on of percolated storm water via under drains into collection sumps, hould pump the water to a dirty water storage facility , ingress of water is prevented	Yes	□ No
on of percolated storm water via under drains into collection sumps, hould pump the water to a dirty water storage facility, ingress of water is prevented	Yes	<u>—</u>
hould pump the water to a dirty water storage facility , ingress of water is prevented		☐ No
	Yes	
		□ No
cility (synthetic or clay liners)	Yes	□ No
e drains in place	Yes	☐ No
rater drains in place & connected to the polluted storm water system	Yes	☐ No
in the dam is not of acidic pH	Yes	☐ No
covered to prevent contact with oxygen	Yes	☐ No
does not maintain anaerobic conditions r practice:	Yes	☐ No
cility (synthetic or clay)	Yes	☐ No
nas seepage drains	Yes	☐ No
of facility into 2 separate compartments for the purposes of cleaning nagement rpractice:	Yes Yes	□ No
cility (synthetic or clay)	Yes	☐ No
s of sufficiently large size to ensure that full evaporation of effluent is	Yes	☐ No
drains in place	Yes	☐ No
ater collection drains in place practice:	Yes	☐ No
ion only with wind speeds less than 2m/sec	Yes	☐ No
orate pre-dawn as humidity is high	Yes	☐ No
p io	n only with wind speeds less than 2m/sec	n only with wind speeds less than 2m/sec Yes ate pre-dawn as humidity is high

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	Lined facility (synthetic or clay)	Yes	☐ No
Ponds	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

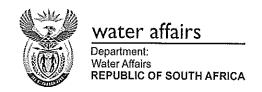
Sewage Treatment	Pump stations operational	Yes	☐ No
Works	Emergency storage dam(s) available	Yes	☐ No
	Adequate capacity in emergency storage dams	Yes	☐ No
	Compliance with minimum discharge standards	Yes	☐ No
	Stormwater collection system in place	Yes	☐ No
	Adequate capacity to contain total volume 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
Climas/Tailings	Character a clientian austors in place	Yes	□ No
Slimes/Tailings Dams	Stormwater collection system in place 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
			Continued on next page

		and the state of t	DW900	1 1
		- The state of the		
Sludge Drying	Facility is lined (synthetic or clay)	Yes	☐ No	
Beds	Seepage drains în 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	
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	Yes	☐ No	
	Stormwater drains in place & connected to the polluted stormwater system	Yes	☐ No	
	For pits, ingress of water is prevented Any other practice:			

Continued on next page

			DW9
Waste Treatment Plant	Capacity to handle the 1:50 year storm event	Yes	□ No
riani	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

	Initials
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Part 2: REMOVING, DISCHARGING OR DISPOSING OF WATER FOUND UNDERGROUND IF IT IS NECESSARY FOR THE EFFICIENT CONTINUATION OF AN ACTIVITY OR FOR THE SAFETY OF PEOPLE IN TERMS OF SECTION 21(j) OF THE NATIONAL WATER ACT (ACT NO.36 OF 1998)

1.	GENERAL INFORMATION			
P000/11/4	Mark the applicable option(s) with an X and/or complete details where app	olicable/available.		
1.1	Indicate the nature of this application:	□ Licence		Registration (only)
1.2	Have you already registered a water use with the Department of Water Affairs and Forestry?	✓ Yes Registration number: Water use number:		No
1.3	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)	☐ Provincial Department (com ☐ Water Services Provider (co ☐ Water User Association (cor	mplete	e 1.7)
1.4 1.4.1	If the applicant is an individual Title Surname			Initials
1.4.2	South African ID (if holder of South African Id) alternatively Passport ID Number or Passport Number Passport Expiry Date (ccyymmdd) Passport Country Of Issue	Number:		
1.5	If the applicant is a company, business, partnership or community:			
1.5.1	Name of company, business, partnership or community:			
	SILICON SMELTERS (PTY) LTD - RAND CARBIDE			
1.5.2	Business Enterprise Registration Number 9 8 9 1 9 0	3 6 / 0 7		
1.5.3	Date Established (ccyymmdd) 1 9 9 8 0 9	2 5		
	Country Where Established REPUBLIC OF SOU	-LL		
1.6 1.6.1	If the applicant is a National Department: National Department Name:			
	For office use	only WU No.	un nu	en i remani i rezenti izena

!.7 1.7.1	If the applicant is a Provincial Depa Province:	rtment:	
1.7.2	Provincial Department Name:		
.8 I.8.1	If the applicant is a Water Services Name of WSP:	Provider:	
.9 I.9.1	If the applicant is a Water User Ass Name of WUA:	ociation:	
	Declara	tion by applicant or was	ste discharger
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It is a criminal offence to provide information that is false or misleading.

2.	WATER RESOURCE INFORMATION		owners was a state of the control of
2.1	Name of the place or aquifer from whi	ch water is removed	
2.2		charged water (mark only one block with an Estuary coutfall pipeline PRING	X) Wetland
2.3	Geographic location of the removal po	vint	
Latitude Longitude	E , , , , , , , , , , , , , , , , , , ,	or E · · ·	or S 2 5 ° 5 1 . 8 4 4 ; or E 2 9 ° 1 3 . 5 2 3 ;
		Modified Clarke 1880) WGS-84	
2.4	Drainage Region Details: Quaterna	ary Drainage Region B 1 1 K	
3.	DESCRIPTION OF WATER USE		
3.1	Volume of underground water removed		
	a) Total volume of underground water removed	per year 9	5 2 . 8 Cubic metres
	b) Maximum volume of underground water remo	wed per day	2 . 6 Cubic metres
3.2	Disposal or discharge of underground		
	☐ Water is discharged	Please also complete form DW766/DW780	
	☐ Water is disposed	Please also complete form DW767/DW780	
	☐ Water is stored	Please also complete form DW762	7

(Version 1.1, 16 September 2009)

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Unsurveyed property Date	Property Relationship Date Trom: To: 2009 CURRENT
Surname of the Leader of Village, Community or Tribal Authority Initial of the Leader of Village, Community or Tribal Authority Local Authority (if applicable) Magisterial District (if applicable) Tribal Authority (if applicable) Surname of the Leader of Village, Community or Tribal Authority Initial of the Leader of Village, Community or Tribal Authority Local Authority (if applicable) Magisterial District (if applicable) Tribal Authority (if applicable)	CURRENT
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Sumame of the Leader of Village, Community or Tribal Authority	
Initial of the Leader of Village, Community or Tribal Authority	
Local Authority (if applicable)	
Magisterial District (If applicable)	No.
Tribai/Authority/Council (frapplicable)	
Sumame of the Leader of Village. Community or Tribal Authority.	
Initial of the Leader of Village, Community of Tribal Authority.	
Local/Authority (if applicable)	
Magisterial District (if applicable)	
Tribal Authority/Council (if applicable)	
Local Authority (if applicable) Magisterial District (if applicable) Tribal Authority/Council (if applicable) Surname of the Leader of Village, Communit Initial of the Leader of Village, Community or Local Authority (if applicable) Magisterial District (if applicable) Tribal Authority/Council (if applicable)	y or Tribal Authority Tribal Authority

*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 tak	es/took place in terms of the Gen	eral Authorisation:	☐ Yes	⊠ No
South African Act: [E.g. National Water Act (Act No. 36 of 1998)] [E.g. Section 21] Date From (ccyymmdd) Date To (ccyymmdd) Date From (ccyymmdd) Date From (ccyymmdd) Ccyymmdd) Date To (ccyymmdd) Date To (ccyymmdd) Date To (ccyymmdd) Applicable Section Of The General Authorisation Date From (ccyymmdd) Ccyymmdd) Date To (ccyymmdd) Applicable Section Of The General Authorisation Date From (ccyymmdd) Applicable Section Of The General Authorisation Date To (ccyymmdd) Date To (ccyymmdd) 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 submitted application) — complete following details if known/available.	*if yes complete t	he following details after confirmation with re	elevant DWAF/CMA officials:		
[E.g. National Water Act (Act No. 36 of 1998)] [E.g. Section 21] Date From (ccyymmdd) Date To (ccyymmdd) Applicable Section Of The General Authorisation Date To (ccyymmdd) Ccyymmdd) Applicable Section Of The General Authorisation Date From (ccyymmdd) Applicable Section Of The General Authorisation Date From (ccyymmdd) Applicable Section Of The General Authorisation Date To (ccyymmdd) Date To (ccyymmdd) Ccyymmdd) Date To (ccyymmdd) Covernment Notice No. Government Notice No. Ccyymmdd) Date To (ccyymmdd) Date To (ccyymmdd) Date To (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 submitted application) — complete following details if known/available.	Date(s) fro	m which applicable GA is/was applicable	to this water use		
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Cocyymmdd		[E.g. National Water Act (A	ct No. 36 of 1998)]		[E.g. Section 21]
Date To (ccyymmdd) Applicable Section Of The General Authorisation Date From (ccyymmdd) Date To (ccyymmdd) Applicable Section Of The General Authorisation Date To (ccyymmdd) Applicable Section Of The General Authorisation Date From (ccyymmdd) Applicable Section Of The General Authorisation Date To (ccyymmdd) Date To (ccyymmdd) Ccyymmdd) Date To (ccyymmdd) Applicable Section Of The General Authorisation Date To (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 submitted application) — complete following details if known/available.			Government Notice No).	
Cocymmdd) Date To (cocymmdd) Applicable Section Of The General Authorisation Date From (cocymmdd) Date To (cocymmdd) Covernment Notice Date (cocymmdd) Date To (cocymmdd) Date To (cocymmdd) 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 submitted application) — complete following details if known/available.	Date To (ccyymmdd)	of The General Authorisation		ete	
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If this application represents a licence related water use (new licence application or previously submitted application) – complete following details if known/available.	Date To (ccyymmdd)	Of The General Authorisation		te	
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rgp-waren-warannear dash diddablerida	LIST OF SUPPORTING TECHNICAL INFORMATION
	Mark with an X if these documents have been submitted with this application
	☐ Environmental impact assessment
	Certified copy of of property zoning document
	 ☑ Geohydrological report ☑ Topographic map (1:50 000) or orthophoto (1:10 000) of location of water removal
	Other (specify other documents submitted with this form)
	D W 7 5 8
_	THE PROPERTY OF THE PARTY OF TH
7.	THIS SECTION IS RESERVED FOR OFFICE USE ONLY
7.1	Is this a 'succession in title' related water use transfer? ☐ Yes ☐ No
7.2	Succession transfer and source Part 2 details
	Source Register number WU Number WU Status to be allocated WU Close Date (if applicable
	(ccyymmdd)
7.3	Billing Information
	Start date (ccyymmdd) End date (ccyymmdd)
7.3.1	Applicant to be billed as An Individual Via a WUA / WSP
7.3.2	Billing frequency Annually Bi-annually Monthly
7.3.3	If to be billed via a WUA / WSP
	Name of WUA / WSP
	Is WUA / WSP a Billing Agent?
	Billing Agent's Register Number
7.3.4	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
7.4	Volume Reduction
	Start date (ccyymmdd) End date (ccyymmdd)
7.4.1	Exsisting Water Use m³ Per annum
7.4.2	Proposed Water Use m³ Per annum
7.5	District Municipality

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
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
 ☐ 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 (i.e. Office Hardcopy Register File No)
Water Use Register Number
Received by:
Surname
Initials
Position / Rank
Signature Date (coyymmdd)
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Date stamp of receiving office
Quality Assurance Executed by: Surname Initials
Position / Rank
Signature Date (ccyymmdd)



Part 2: REMOVING, DISCHARGING OR DISPOSING OF WATER FOUND UNDERGROUND IF IT IS NECESSARY FOR THE EFFICIENT CONTINUATION OF AN ACTIVITY OR FOR THE SAFETY OF PEOPLE IN TERMS OF SECTION 21(j) OF THE NATIONAL WATER ACT (ACT NO.36 OF 1998)

1.	GENERAL INFORMATION			
	Mark the applicable option(s) with an X and/or complete details where applicable option(s)	pplicable/available.		
1.1	Indicate the nature of this application:			Registration (only)
1.2	Have you already registered a water use with the Department of Water Affairs and Forestry?	Yes Registration number: Water use number:		No
1.3	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)	Provincial Department (co. Water Services Provider (co. Water User Association (co.	complete	e 1.7)
1.4 1.4.1	If the applicant is an individual Title Surname			Initials
1.4.2	South African ID (if holder of South African Id) alternatively Passpol ID Number or Passport Number Passport Expiry Date (ccyymmdd) Passport Country Of Issue	rt Number:		
1.5	If the applicant is a company, business, partnership or community:			
1.5.1	Name of company, business, partnership or community:			
	SILICON SMELTERS (PTY) LTD - RAND CARBIDE			
1.5.2	Business Enterprise Registration Number 9 8 / 1 9	0 3 6 / 0 7		
1.5.3		9 2 5		
	Country Where Established REPUBLIC OF SOI	<u> </u>		
1.6 1.6.1	If the applicant is a National Department: National Department Name:			
	For office us Allocated Reg. No.	e only WU No.		

1.7	If the applicant is a Provincial Depa	dment:	
1.7.1	Province: [A STOTAL	
1.7.2	Provincial Department Name:		
1.8 1.8.1	If the applicant is a Water Services Name of WSP:	Provider:	
1.9 1.9.1	If the applicant is a Water User Asso Name of WUA:	ociation:	
Delet hereb	e the words that are not applica by declare that the information pro	tion by applicant or was able I/we CORNELIUS MULLER BESTER vided by me/us in this application for	
hereb	e the words that are not applica by declare that the information pro	Ible I/we CORNELIUS MULLER BESTER	(FULL NAME(S))
hereb correct	re the words that are not applicately declare that the information proct.	Ible I/we CORNELIUS MULLER BESTER	(FULL NAME(S)) rm is, to the best of my/our knowledge, true and

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

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2.1	Name of the place or aquifer from which water is removed FURNACE E SPRING													
2.2	Type of water source receiving the discharged water (mark only one block with an X) River / stream Dam Estuary Wetland Lake Marine outfall pipeline													
	✓ Other (Description of other SPRING)													
2.3	Geographic location of the removal point													
Latitude Longitude	S ° ° ° ° ° ° 5 1 . 8 1 3 E ° ° ° ° ° ° ° 1 3 . 5 4 1 Datum Type: □ Cape (Modified Clarke 1880) ⋈ ⋈ WGS-84													
2.4	Drainage Region Details: Quaternary Drainage Region B 1 1 K													
* non-marketananananananananananananananananananan	Volume of underground water removed a) Total volume of underground water removed per year b) Maximum volume of underground water removed per day Cubic metres Cubic metres													
3.2	Disposal or discharge of underground water (mark with an X) ☐ Water is discharged ☐ Please also complete form DW766/DW780													
	☐ Water is disposed Please also complete form DW767/DW780													
	☐ Water is stored Please also complete form DW762													

The Peer Number Tutistroom Tutistroom	Property Relationship Date	From: To:	2009 CURRENT		 **************************************		на селения в пред на полем до пред на на селено е на					THE CONTRACT OF THE PROPERTY O				***************************************	Achiel de la calenta de la calenta de la company de la calenta de la calenta de la calenta de la calenta de la		a many surroy the		
dastral Code T0JS0000000310001 01 101 101 dastral Code dastral Code dastral Code dastral Code dastral Code	Unsurveyed property		Sumame of the Leader of Village, Community or Tribal Authority	Initial of the Leader of Village, Community or Tribal Authority	Local-Authority (if applicable)		Tribal Authority/Council (if applicable)	Surname of the Leader of Village, Community or Tribal Authority	Initial of the Leader of Village, Community or Tribal Authority	Local Authority (if applicable)		Tribal Authority/Council (if applicable)	Sumame of the Leader of Village, Community or Tribal Authority	Initial of the Leader of Village, Community or Tribal Authority	Local Authority (if applicable)	Magisterial District (if applicable)		Sumame of the Leader of Village, Community or Tribal Authority	Initial of the Leader of Village, Community or Tribal Authority	Local Authority (if applicable)	Magisterial District (if applicable)
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Water L	se takes/took	place in terms	of the General	Authorisation:	Yes	3	⊠ No
*If yes co	nplete the following	g details after cont	firmation with releva	nt DWAF/CMA officials:			
Da	e(s) from which a	ıpplicable GA is/v	was applicable to ti	nis water use			
South Afri	can Act:			Applicable section of the act			
		[E.g. Nation	nal Water Act (Act N	o. 36 of 1998)]		[E.	g. Section 21]
Date Fron (ccyymmo				Government Notice	No.		
Date To (ccyymmo		eneral Authorisati	on	Government Notice (ccyymmdd)	Date		
Date Fron				Government Notice	No.		
Date To (ccyymmo		eneral Authorisation	on	Government Notice (ccyymmdd)	Date		
Date From				Government Notice	No.		
Date To (ccyymmd		eneral Authorisation	on	Government Notice (ccyymmdd)	Date		***************************************
If this a	vailable. oplication repr	esents a licen		islation – provide the r use (new licence ap evallable.			
•	-	rity Business Unit					1 1

•	LIST OF SUPPORTING TECHNICAL INFORMATION
	Mark with an X if these documents have been submitted with this application
	☐ Environmental impact assessment
	Certified copy of of property zoning document
	☐ Geohydrological report
	Topographic map (1:50 000) or orthophoto (1:10 000) of location of water removal
	Other (specify other documents submitted with this form)
	D W 7 5 8
	D W 7 6 0
7.	THIS SECTION IS RESERVED FOR OFFICE USE ONLY
7.1	Is this a 'succession in title' related water use transfer?
7.2	Succession transfer and source Part 2 details
	Source Register number WU Number WU Status to be allocated WU Close Date (if applicable (ccyymmdd)
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7.3	Billing Information
1.3	Start date (ccyymmdd) End date (ccyymmdd)
7.3.1	Applicant to be billed as An Individual Via a WUA / WSP
7.3.2	Billing frequency Annually Bi–annually Monthly
7.3.3	If to be billed via a WUA / WSP
	Name of WUA / WSP
	Is WUA / WSP a Billing Agent?
	Billing Agent's Register Number
50.	If this WU is to be billed via a Bulk Billing Party that is not a WSP / WUA, complete the following:
	Name of Customer
7.3.4	
1.3.4	
.3.4	Bulk-Bill-to-Party Register Number
	Volume Reduction
7.4	Volume Reduction Start date (ccyymmdd) End date (ccyymmdd)
7.4 7.4.1	Volume Reduction Start date (ccyymmdd) Exsisting Water Use m³ Per annum Per annum
7.4	Volume Reduction Start date (ccyymmdd) End date (ccyymmdd)
7.4 7.4.1	Volume Reduction Start date (ccyymmdd) Exsisting Water Use m³ Per annum Per annum

7.0	Late Banketon Can Danielle	
7.6	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	n which ever is greater
	Specify the penalty amount payable	
	☐ Waive penalty	
File number (i.e	e. Office Hardcopy Register File No)	
Water Use Reg	jister Number [] [] [] []	
Received by: Surname		
Sumame		
Initials		
Position / Rank	, <u> </u>	
Fosition / Rank Signature	Date (ccyymmdd)	
Captured on NI	RWU database	
Captured by:		
Surname		
Initials		
Signature 		
		Date stamp of receiving office
	nce Executed by:	
Surname		Initials
Position / Rank		
Signature	Date (ccyymmdd)	



Part 2: REMOVING, DISCHARGING OR DISPOSING OF WATER FOUND UNDERGROUND IF IT IS NECESSARY FOR THE EFFICIENT CONTINUATION OF AN ACTIVITY OR FOR THE SAFETY OF PEOPLE IN TERMS OF SECTION 21(j) OF THE NATIONAL WATER ACT (ACT NO.36 OF 1998)

1.	GENERAL INFORMATION			
	Mark the applicable option(s) with an \boldsymbol{X} and/or complete details where	applicable/available.		
1.1	Indicate the nature of this application:			Registration (only)
1.2	Have you already registered a water use with the Department of Water Affairs and Forestry?	Yes Registration number: Water use number:		No
1.3	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)	☐ Provincial Department (☐ Water Services Provide ☐ Water User Association	r (complete	e 1.7)
1.4 1.4.1	If the applicant is an individual Title Surname			Initials
1.4.2	South African ID (if holder of South African Id) alternatively Passp ID Number or Passport Number Passport Expiry Date (ccyymmdd) Passport Country Of Issue	oort Number:		
1.5	If the applicant is a company, business, partnership or communit	y:		
1.5.1	Name of company, business, partnership or community: SILICON SMELTERS (PTY) LTD - RAND CARBIDE			
1.5.2	Business Enterprise Registration Number 9 8 / 1 9	0 3 6 / 0 7		
1.5.3	Date Established (ccyymmdd) Country Where Established REPUBLIC OF S			
1.6 1.6.1	If the applicant is a National Department: National Department Name:			
	For office	-	,, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and the second seco
	Allocated Reg. No.	WU No.		

7. If the applicant is a Provincial Department: 7.1. Province: 7.2. Provincial Department Name: 8.1 If the applicant is a Water Services Provider: 8.1 Name of WSP: 9.1 If the applicant is a Water User Association: 9.1 Name of WUA: Declaration by applicant or waste discharger Delete the words that are not applicable I/we CORNELIUS MULLER BESTER (FULL NAME(Shereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. Signature Signature GENERAL MANAGER Designation of signatory Date (coyy/imm\dd) It is a criminal offence to provide information that is false or misleading.			DM80:
7.1 Province: 7.2 Provincial Department Name: 8.1 If the applicant is a Water Services Provider: 8.1 Name of WSP: 9.1 If the applicant is a Water User Association: 9.1 Name of WUA: Declaration by applicant or waste discharger Delete the words that are not applicable l/we CORNELIUS MULLER BESTER (FULL NAME(Shereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd)			
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Delete the words that are not applicable I/we CORNELIUS MULLER BESTER hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. O13 690 8245 Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd)			
Delete the words that are not applicable I/we CORNELIUS MULLER BESTER hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. O13 690 8245 Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd)			
Delete the words that are not applicable I/we CORNELIUS MULLER BESTER hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. O13 690 8245 Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd)			
Delete the words that are not applicable I/we CORNELIUS MULLER BESTER hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. O13 690 8245 Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd)			
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Delete the words that are not applicable l/we CORNELIUS MULLER BESTER hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. O13 690 8245 Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd)			
Delete the words that are not applicable l/we CORNELIUS MULLER BESTER hereby declare that the information provided by me/us in this application form is, to the best of my/our knowledge, true and correct. O13 690 8245 Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd)	Doclaration by a	annlicant or was	eto discharger
Signature GENERAL MANAGER Designation of signatory Date (ccyy/mm/dd) O13 690 8245 Contact number during office hours 2012-08-22 Date (ccyy/mm/dd)	Decial all of by a	applicant of was	sie disculation with the restriction
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Signature GENERAL MANAGER Designation of signatory Thumb print Contact number during office hours 2012-08-22 Date (ccyy/mm/dd)	Delete the words that are not applicable I/we CO	RNELIUS MULLER BESTER	R(FULL NAME(S
Signature GENERAL MANAGER Thumb print Contact number during office hours 2012-08-22 Designation of signatory Date (ccyy/mm/dd)		/us in this application fo	orm is, to the best of my/our knowledge, true and
Signature GENERAL MANAGER Thumb print Contact number during office hours 2012-08-22 Designation of signatory Date (ccyy/mm/dd)	orrect.		
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			2012-08-22
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It is a criminal offence to provide information that is false or misleading.			
It is a criminal offence to provide information that is false or misleading.			
It is a criminal offence to provide information that is false or misleading.			
	It is a criminal offence to pr	ovide information	on that is false or misleading.

2.	WATER RESOURCE INFORMATION
2.1	Name of the place or aquifer from which water is removed FURNACE F SPRING
2.2	Type of water source receiving the discharged water (mark only one block with an X) ☐ River / stream ☐ Dam ☐ Estuary ☐ Wetland ☐ Lake ☐ Marine outfall pipeline ☐ Other (Description of other SPRING)
2.3	Geographic location of the removal point
Latitude Longitude	S 0
2.4	Drainage Region Details: Quaternary Drainage Region B 1 1 1 K
3. •••••••••••	DESCRIPTION OF WATER USE Volume of underground water removed
	a) Total volume of underground water removed per year b) Maximum volume of underground water removed per day Cubic metres Cubic metres
0.0	
3.2	Disposal or discharge of underground water (mark with an X) Water is discharged Please also complete form DW766/DW780
	☐ Water is disposed Please also complete form DW767/DW780
-	☐ Water is stored

Property Name	arty Name Surveyed Property Unsurveyed property	A STATE OF THE PROPERTY OF THE	Unsurveyed property	Property Relationship Date	tionship
					To:
TON 101 OF THE	Title Deed Number	T4137/2009	Surname of the Leader of Village, Community or Tribal Authority	5008	CURRENT
FARM JOUBERTSRUST	Surveyor-General Cadastral Code	T0JS000000000310001	Initial of the Leader of Village, Community or Tribal Authority		
<u>o</u>		0.1		T	
	Property Number	310	Local Authority (if applicable)		
	Portion of property	101	:Magisterial District (if applicable)		
			Tribal Authority/Council (if applicable)	THE THE PERSON AND TH	TARREST CONTRACTOR DESCRIPTION OF STREET
Comment to the Constitution of the Landscondist to Present and the	Title Deed Number	Determinated Marken Property Republication in Property Republication of the Company of the Compa	Sumame of the Leader of VIIIage, Community or Tribal Authority		
	Surveyor-General Cadastral Code	and a section of the	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)	AAAA aanaa aana	CAN'S CONTRACTOR DISEASES
COLUMN TO THE PERSON WITH CHARGE TO THE PERSON WITH	Tiffe Deed Number	THE STATE OF THE S	Surname of the Leader of Village, Community or Tribal Authority	poplices	
	Surveyor-General Cadastral Code	1446	Initial of the Leader of Village, Community or Tribal Authority		
	Property Number	407	Local Authority (if applicable)		
	Portion of property		Magisterial District (if applicable)		
			Tribal Authority/Council (if applicable)	CO. TANA MATERIAL POLITICAL PROPERTY COMMENTS	a remaining page and the Alban
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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 Authority/Council (if applicable)	and the second of the second o	WITCHEST PRINCE AND

AUTHO	RISATION DETAILS			
Water us	e takes/took place in terms of the Ge	eneral Authorisation:	☐ Yes	⊠ No
*if yes com	plete the following details after confirmation with	n relevant DWAF/CMA officials:		
Date	(s) from which applicable GA is/was applica	ble to this water use		
South Afric	an Act:	Applicable	e section of the act	
	[E.g. National Water Ac	t (Act No. 36 of 1998)]		[E.g. Section 21]
Date From		Government Notic	e No.	
(ccyymmd Date To		Government Notic (ccyymmdd)	e Date	
(ccyymmd Applicable	Section Of The General Authorisation	(ссуунинаа)		
Date From		Government Notic	ce No.	
(ccyymmd Date To		Government Notic		
(ccyymmd	d) Section Of The General Authorisation	(ccyymmdd)		
Applicable	Section of the General Volucionseach			777
Date Fron		Government Notice	ce No.	
Date To (ccyymmo		Government Notic (ccyymmdd)	ce Date	
Applicable	Section Of The General Authorisation			
If an authorisation has been issued under other legislation – provide the Law/			the Law/Regu	lation details if
known/available.				
If this a	pplication represents a licence relate	ed water use (new licence	application o	r previously submitt
applica	tion) – complete following details if I	known/available.		
	ole Licensing Authority Reference		***	
r	<u> </u>			

6.	LIST OF SUPPORTING TECHNICAL INFORMATION
	Mark with an X if these documents have been submitted with this application
	☐ Environmental impact assessment
	Certified copy of of property zoning document
	Geohydrological report
	☐ Topographic map (1:50 000) or orthophoto (1:10 000) of location of water removal Other (specify other documents submitted with this form)
	D W 7 5 8
	D W 7 6 0
_	
7.	THIS SECTION IS RESERVED FOR OFFICE USE ONLY
7.1	Is this a 'succession in title' related water use transfer?
7.2	Succession transfer and source Part 2 details
	Source Register number WU Number WU Status to be allocated WU Close Date (if applicable)
	(ccyymmdd)
7.3	Billing Information
	Start date (ccyymmdd) End date (ccyymmdd)
7.3.1	Applicant to be billed as An Individual Via a WUA / WSP
7.3.2	Billing frequency Annually Bi-annually Monthly
7.3.3	If to be billed via a WUA / WSP
	Name of WUA / WSP
	Is WUA / WSP a Billing Agent?
	Billing Agent's Register Number
7.3.4	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
7.4	Volume Reduction
	Start date (ccyymmdd) End date (ccyymmdd)
7.4.1 7.4.2	Exsisting Water Use m³ Per annum Proposed Water Use m³ Per annum
1.4.6	1 TOPOGGG TYRIES USE
7.5	District Municipality
	District Municipality Name (if applicable)

Page 6

	Late Deviation Panalty
7.6	Late Registration Penalty Is this a late registration? Yes No
	Is this a late registration?
	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
	La rivera parent,
File number (i.e	e. Office Hardcopy Register File No)
Water Use Reg	gister Number
Received by:	
Surname	
Initials	
Position / Rank	Date (ccyymmdd)
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