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South African Radio
Astronomy Observatory

SPIRAL ARM GENERAL AUTHORISATION (APPLICATION 1) CONFIRMATION LETTER FOR WATER USE IN TERMS OF NWA

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Revision01
Classification..... Commercial in Confidence
Released ByDepartment of Water and Sanitation

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Organisation	:	NRF (National Research Foundation)
Facility	:	SARAO (South African Radio Astronomy Observatory)
Project	:	SKA Project
Document Type	:	Notification of authorisation
Function/Discipline	:	Environmental Management (0019)



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Private Bag X5912, UPINGTON, 8800, Street Address Louisvale Rd, UPINGTON, 8801, www.dwa.gov.za

Enquiries: Mr K Sekwaila
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Ref. No: WU27450

Tel: 0538367609
File No: 27/2/2/D654/1/3

National Research Foundation (NRF)
17 Baker St, Rosebank, Johannesburg
2196

Dear Ms. GE Duncan

REGISTRATION OF WATER USE IN TERMS OF SECTION 39 OF THE NATIONAL WATER ACT, NO 36 OF 1998: FOR NATIONAL RESEARCH FOUNDATION (NRF) : NRF SKA SPIRAL ARMS GENERAL AUTHORISATION (APPLICATION 1) IN QUATERNARY CATCHMENT D54F, ORANGE - UPINGTON

Your request dated 01 March 2023 to be registered to use water in terms of General Authorisation no. 509 dated 26 August 2016 refers.

The Department is pleased to confirm that the intended water use falls within the ambit of the General Authorisation. Therefore, you may continue with the water uses as permissible in terms of Section 22 (1) (a) (iii) of the NWA. You are therefore requested to adhere to the conditions stipulated in the said General Authorisation.

Water use(s) registered:

Purpose	Quat	Property Description	Dimensions Height Width Length	Coordinates
Water use 207-214 (Existing road to be rehabilitated and underground power and fibre)	D57D	Land Parcel 6 of the Major Region FRASERBURG	0.1 m 10 m 100 m	-30.30529010412472 20.595861012214574
Water use 137-143 (Overhead fibre)	D54F	Portion 3 of Land Parcel 58 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.405054561079947 21.473754106988327
Water use 204-206 (Existing road to be rehabilitated, overhead fibre and/or underground power and fibre)	D57D	Land Parcel 5 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.289614037168114 20.600875336187688
Water use 48-53 (Existing road to be rehabilitated &	D54E	Land Parcel 51 of the Major Region	11 m 0.15 m	-30.69978879729715 21.142643713084304

overhead fibre)		FRASERBURG	100 m	
Water use 125-132 (Overhead fibre)	D54C	Portion 1 of Land Parcel 63 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.500312230369353 21.52543564810073
Water use 194 (New roads as well as underground power and fibre)	D54F	Portion 2 of Land Parcel 14 of the Major Region FRASERBURG	0.1 m 0.15 m 100 m	-30.25824361586823 21.110140243971518
Water use 17-26 (Existing road to be rehabilitated & overhead fibre)	D54A	Land Parcel 499 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.85518224153595 21.678446590722327
Water use 198 (Existing road to be rehabilitated)	D54F	Portion 1 of Land Parcel 15 of the Major Region FRASERBURG	0.1 m 10 m 100 m	-30.387113365899943 21.023008896333522
Water use 7-16 (Existing road to be rehabilitated & overhead fibre)	D54A	Portion 2 of Land Parcel 493 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.844466785457154 21.61245133836035
Water uses 28-35 (Overhead fibre)	D54A	Land Parcel 73 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.626822531397263 22.028008548360418
Water use 103-110 (Existing road to be rehabilitated)	D55J	Portion 4 of Land Parcel 151 of the Major Region FRASERBURG	0.1 m 4 m 20 m	-31.26816005563672 21.264010495070846
Water use 1-6 (Existing road to be rehabilitated & overhead fibre)	D54E	Portion 3 of Land Parcel 493 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.843175771528546 21.590208943084264
Water use 99-102 (Existing Road to be rehabilitated)	D55J	Land Parcel 150 of the Major Region FRASERBURG	0.1 m 4 m 10 m	-31.254640649839168 21.272719614858882
Water use 144-150 (Existing road to be rehabilitated, new road, overhead fibre and/or underground power and fibre)	D54F	Land Parcel 58 of the Major Region CARNARVON	11 m 10 m 100 m	-30.37254327768466 21.4294888704627
Water use 163-193 (Overhead Fibre, existing Road to be rehabilitated, new roads, Photovoltaic (PV) plant as well as underground power and fibre)	D54F	Land Parcel 13 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.238463877585676 21.14223160749069
Water use 36-45 (Overhead fibre)	D54A	Land Parcel 576 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.60117465138171 22.052609218360413

Water use 151-158 (Existing road to be rehabilitated and/or overhead fibre)	D54F	Portion 1 of Land Parcel 58 of the Major Region CARNARVON	11 m 10 m 100 m	-30.361511762323527 21.412816023971626
Water use 159-162 (Overhead fibre)	D54F	Land Parcel 23 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.25906086566836 21.162837514576488
Water use 54-60 (Existing road to be rehabilitated and/or overhead fibre)	D54E	Land Parcel 68 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.711500261448517 21.114990303084262
Water use 133-136 (Existing road to be rehabilitated)	D54F	Portion 2 of Land Parcel 57 of the Major Region CARNARVON	0.1 m 10 m 100 m	-30.39683584950511 21.53636722985262
Water use 111-124 (Existing Road to be rehabilitated, overhead fibre and/or underground power and fibre)	D54F	Portion 1 of Land Parcel 63 of the Major Region CARNARVON	11 m 10 m 100 m	-30.52574588406805 21.525435927490733
Water use 195-197 (Existing road to be rehabilitated)	D54F	Land Parcel 15 of the Major Region FRASERBURG	0.1 m 10 m 100 m	-30.303316652900453 21.032376448695405
Water use 46-47 (Existing road to be rehabilitated)	D54B	Portion 3 of Land Parcel 76 of the Major Region CARNARVON	0.30 m 4 m 10 m	-30.576605211366807 22.239129810722357
Water use 199-203 (Existing road to be rehabilitated & overhead fibre)	D54F	Land Parcel 8 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.347509587224632 20.78550675633353
Water use 73-80 (Existing road to be rehabilitated, new road, overhead fibre and/or underground power and fibre)	D54E	Land Parcel 91 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.832067633562062 21.122710457855835
Water use 85-98 (Existing road to be rehabilitated and/or overhead fibre)	D57B	Land Parcel 107 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.989607068145297 21.09694975160964
Water use 27 (Existing road to be rehabilitated & overhead fibre)	D54A	Portion 1 of Land Parcel 499 of the Major Region CARNARVON	11 m 0.15 m 100 m	-30.860608655442732 21.742919428360402
Water use 61-72 (Existing road to be rehabilitated, new road, overhead fibre and/or underground power and fibre)	D54E	Land Parcel 77 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.752501320056048 21.113329115738825
Water use 81-84 (Existing road to be rehabilitated, overhead fibre and/or	D54E	Land Parcel 105 of the Major Region FRASERBURG	11 m 10 m 100 m	-30.91955979502073 21.106541873971537

underground power and fibre)				
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Attached herewith are the Registration Certificate and a copy of the General Authorisation for ease of reference.

You are required to comply with the conditions of the General Authorisation.

Yours sincerely

Comments:



I, Mr Khutjo Kwena Sekwaila () herewith electronically sign this document.
Serial Number : 5192521766164898432

WUL Manager

Date: May 5 2023 1:36PM



SARAO
South African Radio
Astronomy Observatory

SPIRAL ARM GENERAL AUTHORISATION (APPLICATION 1) REGISTRATION CERTIFICATE GOVERNMENT NOTICE NO 1191 TO REGISTER FOR WATER USE IN TERMS OF NWA

Document numberSSA-0019F-017

License/Permit Number.....REG Nr. 25179306

Revision01

Released ByGabriella Duncan

Release Date24 January 2022

Expiration DateJanuary 2032

Organisation	:	NRF (National Research Foundation)
Facility	:	SARAO (South African Radio Astronomy Observatory)
Project	:	SKA Project
Document Type	:	License
Function/Discipline	:	Environmental Management (0019)



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

ORANGE PROTO CMA, PRIVATE BAG X5912, UPINGTON, 8800
Tel: 054-3385840
Fax: 0865641758
E-mail: Cloetes@dws.gov.za

Enquiries: MR SC CLOETE

Reference: REG NR. 25179306

NATIONAL RESEARCH FOUNDATION
17 BAKER STREET
ROSEBANK
JOHANNESBURG
2196

REGISTRATION CERTIFICATE: GOVERNMENT NOTICE NUMBER 1191 TO REGISTER FOR WATER USE IN TERMS OF NATIONAL WATER ACT (ACT 36 OF 1998)

1. The above-mentioned subject and your register number have bearing on this matter.
2. In terms of paragraph 3(b) of Regulation 1352 dated 12 November 1999 a person who uses water as contemplated in section 21 of the National Water Act, 1998 (Act No. 36 of 1998) must, when called upon by the responsible authority to do so, register the water use. The registration of water use was requested by Notice Number R1352, published in the Government Gazette Number 1191, dated 12 October 1999.
3. The Department would like to take this opportunity to thank you for your co-operation in this regard. Attached please find a Registration Certificate Number **REG NR. 25179306** water use(s) registered by you. This number will also be your account number for any monies that may be debited against you for your registered water uses. Please note that this certificate is not an acknowledgement of entitlement to the registered water use, nor does it create any such entitlement.
4. The registration of water use can be seen as the first building block in ensuring the correct and equitable application of the National Water Act. The registration process required that all water uses, despite the legal status thereof, had to be registered. The only requirement was that it must be an existing use, whether lawful or not.
5. Should you have any queries, questions or concerns regarding your water use, please do not hesitate to call this office at the above mentioned particulars.
6. For completeness and correctness check please use attached form to acknowledge your certificate. Once more our gratitude is indebted to you for registering your water use with our Department.

Yours faithfully

PROVINCIAL HEAD: NORTHERN CAPE PROVINCIAL OPERATIONS
SIGNED BY DEPUTY DIRECTOR: LOWER ORANGE

2023-07-31
DATE: _____



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

NATIONAL RESEARCH FOUNDATION
17 BAKER STREET
ROSEBANK
JOHANNESBURG
2196

DEPARTMENT WATER AND SANITATION
PRIVATE BAG X 5912
UPINGTON
8800

ACKNOWLEDGEMENT OF REGISTERED WATER USE: REGISTRATION CERTIFICATE: REG NR. 25179306

YES	NO

2. Indicate other information requiring correction on the enclosed blocks:

Eg: Change of postal address, surname or company name, volume abstracted, water resource name, etc.

Identity Number

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Trust Registration Number

I	T							/		
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Company Registration Number (NB: Provide new number if company was incorporated prior to 1951 or for certain other companies incorporated during 1961)

				/							/		
--	--	--	--	---	--	--	--	--	--	--	---	--	--

Date Company Established

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

Signature of Applicant
Date



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

National Register of Water Use Registration Record 25179306

Water Use Registration Record 25179306 is issued in terms of the regulations requiring that a Water Use be registered, promulgated under Section 26(1)(c) of the National Water Act(Act 36 of 1998) to:

Applicant

Applicant Type: COMPANY
Name: NATIONAL RESEARCH FOUNDATION
Enterprise Type: PARASTATAL
Business Registration Number: NOT APPLICABLE
Postal Address: PO BOX 2600
PRETORIA
0001

VAT Registration Number:

Water Management Area

Name: ORANGE

Register Status

Status: ACTIVE

Water Uses

See attached Annexure(s)

Water Use No.	Water Use	Volume	Volume Start Date	Volume End Date
1	21(c)		2023/06/01	
2	21(l)		2023/06/01	
3	21(c)		2023/06/01	
4	21(l)		2023/06/01	



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

National Register of Water Use Registration Record 25179306

Water Use Registration Record 25179306 is issued in terms of the regulations requiring that a Water Use be registered, promulgated under Section 26(1)(c) of the National Water Act(Act 36 of 1998) to:


Office: NORTHERN CAPE UPINGTON
OFFICE

2023 -07- 3 1

DEPT. OF WATER & SANITASIE
DEURLID ORANJE
WATERBESTUURSAARBA
PISAN X5912 UPINGTON 6800
2023 -07- 3 1
LOWER ORANGE
WATER MANAGEMENT AREA
PRIVATISASIE 2501254000000000
DEPT. OF WATER & SANITATION

DISCLAIMER :

This Registration Record:

- 1 Is not an acknowledgement of an entitlement to the registered water use;
- 2 may NOT be used to create the impression that it is proof of a water use entitlement. By virtue of section 22(1) of the National Water Act, the only documents that may be used as proof of a water use entitlement, are:
 - 2.1 a licence;
 - 2.2 an official document stating the extent of existing lawful water use pursuant to sections 33 or 35 of the National Water Act;
 - 2.3 a general authorisation as published in the Gazette; or
 - 2.4 Schedule 1 of the National Water Act.

Notes:

- If an entitlement for the specific water use referred to in this Registration Record has been confirmed by the Department, it may be indicated as such in this Registration Record.
 - If the responsible authority has dispensed with the requirement for a licence for a specific water use, no water use entitlement is needed for that use under the National Water Act.
- 3 Is issued without alterations or erasures and is invalid if it contains alterations not in conformity with the Department's official copy; and in substitution of any Registration Record the Department may have previously issued and the information is valid as at the date of issue.

National Register of Water Use Registration Record 25179306

Impeding or diverting the flow of water in a watercourse in terms of Section 21(c) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 1
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Lawfulness Authentication

Finding: LAWFUL
Finding Date: 2023/05/05
Finding Reason: GENERAL AUTHORISATION

Finding Confirmed: YES
General Authorisation: Gov. Gazette 40229, Notice 509, 26 August 2016
Legal Section: Section 21(c) of the National Water Act (Act no. 36 of 1998)
GA Applicable From Date: 2016/08/01
GA Applicable To Date: 2036/08/31

Water Use Details for Impeding the Flow of Water

Water Resource: WATERCOURSE

Geographic Location: Latitude 30.405054° south Longitude 21.473754° east
Datum Type: CAPE (MODIFIED CLARKE 1880)
For the Purpose of: TO CONTINUE WITH THE SKA PROJECT
Height: 11 METRES
Width: 0.15 METRES
Length: 100 METRES
Water Use Sector: INDUSTRY (NON-URBAN)

Quaternary Drainage Region: D54F

National Register of Water Use Registration Record 25179306

Impeding or diverting the flow of water in a watercourse in terms of Section 21(c) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 1
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Property Where Water Use Occurs

Property Name: WOLF WERF 23 PORTION 0 (REM EXT)
Property Number: 23
Portion of Property: 0
SG Cadastral Code: C01700000000023000000
Deeds Office: CAPE TOWN
Registration Division: CARNARVON
Registration Division Province: NORTHERN CAPE
Surveyor General Office: CAPE TOWN

WUN/Property Relationship Details

Relationship Start Date	Relationship End Date
2023/06/01	

DISCLAIMER :

This Registration Record:

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 - 2.1 a licence;
 - 2.2 an official document stating the extent of existing lawful water use pursuant to sections 33 or 35 of the National Water Act;
 - 2.3 a general authorisation as published in the Gazette; or
 - 2.4 Schedule 1 of the National Water Act.

Notes:

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 - If the responsible authority has dispensed with the requirement for a licence for a specific water use, no water use entitlement is needed for that use under the National Water Act.
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National Register of Water Use Registration Record 25179306

Impeding or diverting the flow of water in a watercourse in terms of Section 21(c) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 3
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Lawfulness Authentication

Finding: LAWFUL
Finding Date: 2023/05/05
Finding Reason: GENERAL AUTHORISATION

Finding Confirmed: YES
General Authorisation: Gov. Gazette 40229, Notice 509, 26 August 2016
Legal Section: Section 21(c) of the National Water Act (Act no. 36 of 1998)
GA Applicable From Date: 2016/08/01
GA Applicable To Date: 2036/08/31

Water Use Details for Impeding the Flow of Water

Water Resource: WATERCOURSE

Geographic Location: Latitude 30.989607° south Longitude 21.096949° east

Datum Type: CAPE (MODIFIED CLARKE 1880)

For the Purpose of: TO CONTINUE WITH THE SKA PROJECT

Height: 11 METRES
Width: 10 METRES
Length: 100 METRES
Water Use Sector: INDUSTRY (NON-URBAN)

Quaternary Drainage Region: D57B

National Register of Water Use Registration Record 25179306

Impeding or diverting the flow of water in a watercourse in terms of Section 21(c) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 3
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Property Where Water Use Occurs

Property Name: OEST 107 PORTION 0 (REMAINING EXTENT)
Property Number: 107
Portion of Property: 0
SG Cadastral Code: C028000000000010700000
Deeds Office: CAPE TOWN
Registration Division: FRASERBURG
Registration Division Province: NORTHERN CAPE
Surveyor General Office: CAPE TOWN

WUN/Property Relationship Details

Relationship Start Date	Relationship End Date
2023/06/01	

DISCLAIMER :

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 - 2.1 a licence;
 - 2.2 an official document stating the extent of existing lawful water use pursuant to sections 33 or 35 of the National Water Act;
 - 2.3 a general authorisation as published in the Gazette; or
 - 2.4 Schedule 1 of the National Water Act.

Notes:

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 - If the responsible authority has dispensed with the requirement for a licence for a specific water use, no water use entitlement is needed for that use under the National Water Act.
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National Register of Water Use Registration Record 25179306

Altering the bed, banks, course or characteristics of a watercourse in terms of Section 21(i) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 2
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Lawfulness Authentication

Finding: LAWFUL
Finding Date: 2023/05/05
Finding Reason: GENERAL AUTHORISATION

Finding Confirmed: YES
General Authorisation: Gov. Gazette 40229, Notice 509, 26 August 2016
Legal Section: Section 21(i) of the National Water Act (Act no. 36 of 1998)
GA Applicable From Date: 2016/08/01
GA Applicable To Date: 2036/08/31

Water Use Details

Type of Water Resource: RIVER/STREAM
Water Resource: UNNAMED DRAINAGE LINE
For the Purpose of: EXISTING ROAD TO BE REHABILITATED & PLACEMENT OF OVERHEAD FIBRE

Altering of: BANKS
Start of Alteration: Latitude Longitude
30° 50' 40.1" south 21° 36' 44.8" east

Datum Type: WGS-84
End of Alteration: Latitude Longitude

Datum Type:
Length of Watercourse Affected by Alteration: 10 METRES

Water Use Sectors:

Quaternary Drainage Region: D54F

National Register of Water Use Registration Record 25179306

Altering the bed, banks, course or characteristics of a watercourse in terms of Section 21(l) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 2
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Property Where Water Use Occurs

Property Name: WOLF WERF 23 PORTION 0 (REM EXT)
Property Number: 23
Portion of Property: 0
SG Cadastral Code: C01700000000023000000
Deeds Office: CAPE TOWN
Registration Division: CARNARVON
Registration Division Province: NORTHERN CAPE
Surveyor General Office: CAPE TOWN

WUN/Property Relationship Details

Relationship Start Date	Relationship End Date
2023/06/01	

DISCLAIMER :

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 - 2.2 an official document stating the extent of existing lawful water use pursuant to sections 33 or 35 of the National Water Act;
 - 2.3 a general authorisation as published in the Gazette; or
 - 2.4 Schedule 4 of the National Water Act.

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National Register of Water Use Registration Record 25179306

Altering the bed, banks, course or characteristics of a watercourse in terms of Section 21(i) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 4
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Lawfulness Authentication

Finding: LAWFUL
Finding Date: 2023/05/05
Finding Reason: GENERAL AUTHORISATION

Finding Confirmed: YES
General Authorisation: Gov. Gazette 40229, Notice 509, 26 August 2016
Legal Section: Section 21(i) of the National Water Act (Act no. 36 of 1998)
GA Applicable From Date: 2016/08/01
GA Applicable To Date: 2036/08/31

Water Use Details

Type of Water Resource: RIVER/STREAM
Water Resource: UNNAMED DRAINAGE LINE
For the Purpose of: EXISTING ROAD TO BE REHABILITATED & PLACEMENT OF OVERHEAD FIBRE

Altering of: BANKS
Start of Alteration: Latitude Longitude
30° 59' 22.6" south 21° 5' 49" east

Datum Type: WGS-84
End of Alteration: Latitude Longitude

Datum Type:
Length of Watercourse Affected by Alteration: 10 METRES

Water Use Sectors:

Quaternary Drainage Region: D57B

National Register of Water Use Registration Record 25179306

Altering the bed, banks, course or characteristics of a watercourse in terms of Section 21(l) of the National Water Act

Water Use Identification

Register Number: 25179306
Water Use Number: 4
Water Use Start Date: 2023/06/01
Water Use Status Date: 2023/07/27
Water Use Status: REGISTERED

Property Where Water Use Occurs

Property Name: OEST 107 PORTION 0 (REMAINING EXTENT)
Property Number: 107
Portion of Property: 0
SG Cadastral Code: C028000000000010700000
Deeds Office: CAPE TOWN
Registration Division: FRASERBURG
Registration Division Province: NORTHERN CAPE
Surveyor General Office: CAPE TOWN

WUN/Property Relationship Details

Relationship Start Date	Relationship End Date
2023/06/01	

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 - 2.3 a general authorisation as published in the Gazette; or
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SARAO
South African Radio
Astronomy Observatory

SPIRAL ARM GENERAL AUTHORISATION (APPLICATION 2) CONFIRMATION LETTER FOR WATER USE IN TERMS OF NWA

Document numberSSA-0019F-024
Revision01
Classification..... Commercial in Confidence
Released ByDepartment of Water and Sanitation

Approval Date 19 July 2023

Organisation	:	NRF (National Research Foundation)
Facility	:	SARAO (South African Radio Astronomy Observatory)
Project	:	SKA Project
Document Type	:	Notification of authorisation
Function/Discipline	:	Environmental Management (0019)



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Private Bag X5912, UPINGTON, 8800, Street Address Louisvale Rd, UPINGTON, 8801, www.dws.gov.za

Enquiries: Mr K Sekwaila
Email: sekwailak@dws.gov.za
Ref. No: WU29072

Tel: 0538367609
File No: 27/2/2/D855/1/3

National Research Foundation (NRF)
17 Baker St
Rosebank
Johannesburg
2196

Dear Ms. GE Duncan

REGISTRATION OF WATER USE IN TERMS OF SECTION 39 OF THE NATIONAL WATER ACT, NO 36 OF 1998: FOR THE NATIONAL RESEARCH FOUNDATION (NRF): SKA SPIRAL ARMS IN QUATERNARY CATCHMENT D55H, ORANGE - UPINGTON

Your request dated 28 June 2023 to be registered to use water in terms of General Authorisation no. 509 dated 16 August 2016 refers.

The Department is pleased to confirm that the intended water use falls within the ambit of the General Authorisation. Therefore, you may continue with the water uses as permissible in terms of Section 22 (1) (a) (iii) of the NWA. You are therefore requested to adhere to the conditions stipulated in the said General Authorisation.

Water use(s) registered:

No.	Quat.	Property Description	Purpose	Coordinates	Dimensions (m)
Section 21 (c) and (i)					
1	D55J	Land Parcel 148 of the Major Region FRASERBURG	Water use 196-201 (Overhead fibre)	-31.245918834055004 21.164711689185214	H: 11 m W: 0.01 m L: 120 m
2	D55J	Portion 2 of Land Parcel 149 of the Major Region FRASERBURG	Water Use 211-236 (Overhead fibre, existing road to be rehabilitated & underground power and fibre)	-31.336783986237197 21.218237196823377	H: 11 m W: 10 m L: 120m
3	D55H	Land Parcel 203 of the Major Region FRASERBURG	Water use 249-256 (Overhead fibre)	-31.482689404976337 21.394352453088423	H: 11 m W: 0.01 m L: 120 m
4	D54A	Land Parcel 576 of the Major Region CARNARVON	Water use 45-54 (Overhead fibre)	-30.601174113499358 22.052610900331587	H: 11 m W: 100 m L: 120 m
5	D54F	Portion 3 of Land Parcel 11 of the Major Region FRASERBURG	Water use 124-126 (Overhead fibre)	-30.260870830041064 20.986113183444797	H: 11 m W: 100 m L: 120 m
6	D55M	Land Parcel 119 of	Water use 148-152	-31.08758449640524	H: 11 m

		the Major Region FRASERBURG	(Overhead fibre)	21.02301525021165	W: 0.01 m L: 120 m
7	D57B	Portion 4 of Land Parcel 108 of the Major Region FRASERBURG	Water use 137-140 (Existing road to be rehabilitated)	-31.03142653857258 21.078244608903336	H: 0.1 m W: 10 m L: 100 m
8	D55J	Land Parcel 149 of the Major Region FRASERBURG	Water use 202-210 (Overhead fibre)	-31.287120435027948 21.193890710342494	H: 11 m W: 0.01 m L: 120 m
9	D54F	Portion 1 of Land Parcel 11 of the Major Region FRASERBURG	Water use 122-123 (Overhead fibre)	-30.247652682200258 21.038898554485378	H: 11 m W: 100 m L: 120 m
10	D54F	Land Parcel 9 of the Major Region FRASERBURG	Water use 127-129 (Overhead fibre and existing road to be rehabilitated)	-30.32201223506672 20.798273623343064	H: 11 m W: 100 m L: 120 m
11	D54A	Land Parcel 499 of the Major Region CARNARVON	Water use 27-37 (Overhead fibre, new roads, existing road to be rehabilitated & underground power and fibre)	-30.85518315934281 21.678447410881244	H: 11 m W: 100 m L: 80 m
12	D55H	Land Parcel 205 of the Major Region FRASERBURG	Water Use 260-268 (Existing road to be rehabilitated & underground power and fibre)	-31.51420996136069 21.48785040092536	H: 11 m W: 10 m L: 100 m
13	D54F	Land Parcel 58 of the Major Region CARNARVON	Water use 55-61 (Existing road to be rehabilitated & underground power and fibre)	-30.370435455502104 21.43305817851528	H: 11 m W: 100 m L: 100 m
14	D54E	Land Parcel 497 of the Major Region CARNARVON	Water use 1-26 (Overhead fibre, existing road to be rehabilitated & underground power and fibre)	-30.847444744683454 21.48900566126511	H: 11 m W: 100 m L: 80 m
15	D57B	Land Parcel 108 of the Major Region FRASERBURG	Water use 130-136 (Overhead fibre)	-31.02472543684337 21.063307279892204	H: 11m W: 100 m L: 120 m
16	D54F	Land Parcel 23 of the Major Region CARNARVON	Water use 70-95 (Overhead fibre)	-30.270315015688226 21.24244799878433	H: 11 m W: 100 m L: 120 m
17	D55H	Portion 1 of Land Parcel 200 of the Major Region FRASERBURG	Water Use 244-248 (Overhead fibre)	-31.466742480936706 21.373760566823325	H: 11 m W:0.01 m L: 120 m
18	D55J	Land Parcel 171 of the Major Region FRASERBURG	Water use 237-243 (Overhead fibre)	-31.365795256225177 21.252572469574442	H: 11 m W: 0.01 m L: 120 m
19	D54F	Land Parcel 13 of the Major Region FRASERBURG	Water use 96-121 (Overhead fibre, new roads & underground power and fibre)	-30.23845955597802 21.142225663627226	H: 11 m W: 100 m L: 120 m
20	D55J	Land Parcel 135 of the Major Region FRASERBURG	Water use 156-172 (Overhead fibre)	-31.191346807185845 21.02403121858537	H: 11 m W: 0.01 m L: 120 m
21	D54A	Portion 9 of Land Parcel 72 of the	Water use 38-44 (Overhead &	-30.759865536060556 21.905906409552287	H: 11 m W: 100 m

		Major Region CARNARVON	underground power and fibre)		L: 100 m
22	D57B	Land Parcel 119 of the Major Region FRASERBURG	Water use 143-147 (Overhead fibre)	-31.06910001219504 21.02783545092533	H: 11 m W: 0.01 m L: 120 m
23	D55J	Land Parcel 134 of the Major Region FRASERBURG	Water use 173-195 (Overhead fibre, new roads, existing road to be rehabilitated & underground power and fibre)	-31.184863956311737 21.09823977232045	H: 11 m W: 10 m L: 120 m
24	D55J	Portion 2 of Land Parcel 120 of the Major Region FRASERBURG	Water use 153-155 (Overhead fibre)	-31.17023436006826 21.02427763308844	H: 11 m W: 0.01 m L: 120 m
25	D57B	Portion 2 of Land Parcel 108 of the Major Region FRASERBURG	Water use 141-142 (Overhead fibre)	-31.0661029325651 21.02880301302224	H: 11 m W: 100 m L: 120 m
26	D55H	Land Parcel 204 of the Major Region FRASERBURG	Water use 257-259 (Overhead fibre, new roads, existing road to be rehabilitated & underground power and fibre)	-31.51816693020629 21.473225792704458	H: 11 m W: 10 m L: 100 m
27	D54F	Portion 1 of Land Parcel 58 of the Major Region CARNARVON	Water use 62-69 (Overhead fibre, existing road to be rehabilitated & underground power and fibre)	-30.36151256491747 21.412730280108086	H: 11 m W: 100 m L: 120 m

Attached herewith are the Registration Certificate and a copy of the General Authorisation for ease of reference.

You are required to comply with the conditions of the General Authorisation.

Yours sincerely

Comments:



I, Mr Khutjo Kwena Sekwaila (Specialist) herewith electronically sign this document.

Serial Number : 5160441310000894694

WUL Manager

Date: Jul 19 2023 7:21AM