

THE REPUBLIC OF UGANDA
THE WATER ACT (Cap. 152)
The Water Resources Regulations, 1998

APPLICATION FOR A GROUNDWATER PERMIT**FORM B**

To be completed in triplicate (3)

Complete this form if you want to register, or to obtain a permit for, a borehole or use of groundwater. If you are applying for a permit to use water from a borehole, you must attach the borehole completion report for that borehole (Sixth Schedule).

1. - NAMES AND ADDRESSES

Name of Individual/Association/Company/Public Authority * _____

Address: _____

Telephone: _____

E-Mail address: _____

Designation: _____

Acting for Company/Partnership/Cooperative Society/Public Corporation* _____

District: _____

Postal address (if different from above): _____

* Delete what is not applicable

2. - LAND REQUIRING WATERName of landowner where borehole is
Constructed and water will be used: _____

Address of owner: _____

Property regime of land:

() Bonafide Occupant () Mailo () Customary () Lease hold () Freehold

If leasehold, indicate: Folio _____ Number _____

If Mailo or Leasehold indicate: Block _____ Plot No. _____

Location of land where
the borehole is or will be: _____

District: _____ Area of that land _____ (in Hectares)

County: _____ Sub-county: _____ Parish: _____ Village: _____

3.-SOURCE OF WATER

Select the source of water as appropriate:

() Borehole () Dug well () Spring

() Other. Specify: _____

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Borehole No: _____
 Date drilled: _____ Driller: _____
 Diameter: _____ Depth: _____
 Lining/Casings: _____ Test Yield: _____

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Basin: _____ Aquifer type: _____
 National Grid Reference of point of water uptake: Long: _____ Lat.: _____

5.- USE OF WATER OR WORKS

Tick one or more boxes as appropriate

<u>Use or proposed use of water</u>	<u>Mean Volume (cubic metres per day)</u>
<input type="checkbox"/> Irrigation	_____
<input type="checkbox"/> Livestock	_____
<input type="checkbox"/> Urban domestic	_____
<input type="checkbox"/> Rural domestic	_____
<input type="checkbox"/> Industrial	_____
<input type="checkbox"/> Fisheries	_____
<input type="checkbox"/> Services	_____
<input type="checkbox"/> Power generation	_____
<input type="checkbox"/> Recreational	_____
<input type="checkbox"/> Other. Specify _____	_____
TOTAL MEAN VOLUME _____	

6. CONSTRUCTION DETAILS

Type of pump: Centrifuge Submersible Solar
 Other. Specify _____

Type of driving machine and fuel used: _____
 Brake horse power of machine: _____ HP. Elevation of pump above sea level _____ metres
 How is pump connected to driving machine? _____

Internal diameter of suction main: _____ inches. Maximum height of suction _____ metres
 Height to which water is to be lifted above pump: _____ metres
 Length of delivery pipe: _____ metres. Pumping hours per day: _____ hours/day.
 Quantity of water to be pumped when plant is working: _____ cubic meters per day
 How do you propose to measure the volume or water used? _____

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What alternative sources of water does the applicant have?:

() Surface water () Urban water supply () Rural water supply
 () Other. Specify: _____

Existing boreholes within one kilometres of the site to which this application refers are:

() None () Yes

If so, How many? _____

Borehole number (if known): _____

Name of farm _____

Distance from site _____

(Attach a sketch map, on a scale not less than 1:25,000, showing land boundaries, the approximate position of the proposed borehole, existing boreholes within one kilometre of the proposed boreholes and any source of surface water.)

For how long will you require a water permit? _____

Is the source of water located in an area of gazetted water authority? () No () Yes

Name of water authority _____

DECLARATION OF THE APPLICANT

I certify that the information provided in this form is correct to the best of my knowledge. I also agree that no decision will be made pursuant to this application until I receive a notification from the Director of Water Development that I have provided all the necessary information.

Signature of applicant**Seal/Stamp**

Full names _____

Date: _____

NOTE

When you have completed this form and the appropriate attachments, you must attach evidence of payment (URA receipt scanned or delivered) for processing the application and send them to:

The Director
 Directorate of Water Resources Management,
 P.O. Box 20026
 Kampala

The Director may require you to advertise this application at your cost in a way specified by the Director. Attach a copy of the borehole completion report.

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RECEPTION DATE: (D)_____(M)_____(Y)_____

APPLICATION NUMBER: _____

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BOREHOLE COMPLETION REPORT**WATER POINT INFORMATION****1. IDENTIFICATION AND LOCATION DATA**

Type of water point: () Borehole: () Dug well: () Augered shallow well:

Identification: Project I.D. No. _____.

Location: Longitude E: _____ Latitude: N/S: _____ Altitude(m): _____

District: _____ County: _____ Sub-county: _____

Parish: _____ Village: _____ Water point: _____

Water point ownership: () Private: () Communal: () Institutional

Water point use: () Domestic () Irrigation: () Livestock: () Industrial:

Water point abandoned: () Low yield: () water quality: ()

Technical: _____

Date abandoned: _____

2. SITESELECTION DATA

Site by: Organization: _____ Name of person: _____ Title: _____

Date sited: _____ Method of site selection: _____ Resistivity: _____ Electromagnetic: _____

Seismic: _____ Other, specify: _____ None: _____

Attach site selection results including a well-illustrated topographic map showing the proposed abstraction point and layout of the major components of the infrastructure to be constructed.

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Contractor: _____ Drilled by: Name of person: _____ Title: _____

Method of construction: Air rotary Cable tool: Mud rotary:
 Augered: Dug: Other, specify: _____

Date for completion of construction: _____

Total well depth at date of completion (m): _____

Water well diameter: mm: _____ From: _____ To: _____
 mm: _____ From: _____ To: _____
 mm: _____ From: _____ To: _____
 mm: _____ From: _____ To: _____

Permanent casing/well ring diameter: mm: _____

Permanent casing/well ring material: PVC: Mild steel:
 Concrete: Bricks:
 Other: _____

Borehole sealing: None: Cement: Bentonite: Other,

Filter slot size & intervals: mm: _____ From: _____ To: _____
 mm: _____ From: _____ To: _____
 mm: _____ From: _____ To: _____

Borehole filters: Gravel pack: Natural pack:

Well development: Duration (hrs): _____

Method of development: Air lift: Bailed: Compressed air:
 Other (specify): _____

4. INSTALLATION DATA

Type of pump: Submersible pump: Centrifugal pump: Hand pump: Bucket:
 Other

Date of pump installation: day/month/year: _____

Name of pump: _____ Pump capacity: _____ m³/h

Pump installation/intake depth: _____ m b.g.l.

Riser pipe material: Galvanized iron: Stainless steel: PVC: other

Riser pipe diameter: _____ mm

Pumping rod material: Galvanized iron: Stainless steel: Wire: other

Pumping rod diameter: _____ mm

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Depth to bedrock: m b.g.l.: _____

Overall geological setting: _____

Lithology: From: _____ To: _____ Description: _____
(m b.g.l.) From: _____ To: _____
From: _____ To: _____
From: _____ To: _____
From: _____ To: _____
From: _____ To: _____

Water strike, Aquifer and yield:

Water strike (m.b.g.l)	Aquifer	Yield m ³ /h
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

HYDRO CHEMICAL DATA**6. HYDROCHEMICAL DATA**

Date of sampling: day/month/year:

Sampling method: () pumping: () Air-lift sampling: () Bucket:

Sample preservation: () None: () Acid: () Other:

Samples analyzed: Name: _____: Organization _____.

Parameter	Unit	Result	Date	Field/Lab
Turbidity	FTU			
Temp. (Time of sampling)	°C			
Conductivity	uS/cm			
pH	---			
Tot. alkalinity (CaCO ₃)	mg/l			
Hardness (CaCO ₃)	mg/l			
Calcium (Ca ²⁺)	mg/l			
Magnesium (Mg ²⁺)	mg/l			
Sodium (Na ⁺)	mg/l			
Potassium (K ⁺)	mg/l			
Carbonate (CO ₃ ⁺)	mg/l			
Bicarbonate (HCO ₃ ⁻)	mg/l			
Sulphate (SO ₄ ²⁻)	mg/l			
Chloride (Cl)	mg/l			
Nitrate (NO ₃)	mg/l			
Ammonium (NH ₄ ⁺)	mg/l			
Tot. Iron (Fe ²⁺ + Fe ³⁺)	mg/l			
Manganese (Mn ²⁺)	mg/l			
Fluoride (F)	mg/l			
Free Carbon dioxide (CO ₂)	mg/l			
Free Carbon dioxide (CO ₂)	mg/l			
Tot. dissolved solids	mg/l			
Faecal Coli	no/100ml			

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7. YIELD TEST, FLOW AND WATER LEVEL DATA

Test carried out by: Organization: _____ Name: _____ Title: _____

Date of test: _____ Duration of test: _____ hrs.

A. Step pumping test: () Yes / () No

Step	Yield (m ³ /h)	Draw down (m)	Spec. Capacity (m ³ /h/m)
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____

B. Constant discharge: () Yes / () No

Average discharge during test (m³/h) _____

Static Water Level, SWL (m.b.g.l) _____ Date measured _____

Pumping water level (m b.g.l) _____ Drawdown (m) _____

Transmissivity (m²/day) _____ Spec. Capacity (m³/h/m) _____

Hydro-fracturing: () Yes / () No. If yes day/month/year _____

C. Natural flow: () Yes () No

D. Air Lift test: () Yes () No

Attach pumping test results.

8. OTHER INFORMATION (include soil test in the case of an irrigation scheme and information not catered for in the above sections)

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9. DETAILS OF ORGANIZATION SUBMITTING DATA

Name: _____.

Address: _____.

Telephone Number: _____.

Fax No: _____.

E-mail: _____.

Name of responsible officer: _____.

Title: _____.

Signature: _____.

Date of data submission: _____.

Stamp of organization