PARTNER ASHUVU
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 WATER

Name 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:
APPLY FOR A GROUNDWATER PERMIT

FORM B

4. DETAILS OF THE BOREHOLE

<table>
<thead>
<tr>
<th>Borehole No:</th>
<th>Date drilled:</th>
<th>Driller:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Diameter:</td>
<td>Depth:</td>
</tr>
<tr>
<td></td>
<td>Lining/Casings:</td>
<td>Test Yield:</td>
</tr>
</tbody>
</table>

OFFICIAL USE ONLY

<table>
<thead>
<tr>
<th>Basin:</th>
<th>Aquifer type:</th>
<th>National Grid Reference of point of water uptake: Long: Lat:</th>
</tr>
</thead>
</table>

5. USE OF WATER OR WORKS

Tick one or more boxes as appropriate

<table>
<thead>
<tr>
<th>Use or proposed use of water</th>
<th>Mean Volume (cubic metres per day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>( ) Irrigation</td>
<td></td>
</tr>
<tr>
<td>( ) Livestock</td>
<td></td>
</tr>
<tr>
<td>( ) Urban domestic</td>
<td></td>
</tr>
<tr>
<td>( ) Rural domestic</td>
<td></td>
</tr>
<tr>
<td>( ) Industrial</td>
<td></td>
</tr>
<tr>
<td>( ) Fisheries</td>
<td></td>
</tr>
<tr>
<td>( ) Services</td>
<td></td>
</tr>
<tr>
<td>( ) Power generation</td>
<td></td>
</tr>
<tr>
<td>( ) Recreational</td>
<td></td>
</tr>
<tr>
<td>( ) Other. Specify</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL MEAN VOLUME_____________________

6. CONSTRUCTION DETAILS

Type of pump:

<table>
<thead>
<tr>
<th>Centrifuge</th>
<th>Submersible</th>
<th>Solar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other. Specify</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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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## APPLICATION FOR A GROUNDWATER PERMIT

**To be completed in triplicate (3)**

### 7.- OTHER INFORMATION

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?

<table>
<thead>
<tr>
<th>Borehole number (if known):</th>
<th>Name of farm</th>
<th>Distance from site</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

(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?

- (  ) No
- (  ) Yes

Name of water authority ________________________________

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### 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: ____________________________

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### 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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### OFFICIAL USE ONLY

**RECEPTION DATE:** (D) ___(M)___(Y)___

**APPLICATION NUMBER:** ____________
**APPLICATION FOR A GROUNDWATER PERMIT**

**FORM B**

*To be completed in triplicate (3)*

## BOREHOLE COMPLETION REPORT

### 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.
### 3. CONSTRUCTION DATA

**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:**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm: __________</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td>mm: __________</td>
<td>______</td>
<td>______</td>
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<tr>
<td>mm: __________</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td>mm: __________</td>
<td>______</td>
<td>______</td>
</tr>
</tbody>
</table>

**Permanent casing/well ring diameter:** mm: ________________

**Permanent casing/well ring material:**

- ( ) PVC:
- ( ) Mild steel:
- ( ) Concrete:
- ( ) Bricks:
- ( ) Other: __________________________

**Borehole sealing:**

- ( ) None:
- ( ) Cement:
- ( ) Bentonite:
- ( ) Other, specify:

**Filter slot size & intervals:**

<table>
<thead>
<tr>
<th>Diameter</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm: __________</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td>mm: __________</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td>mm: __________</td>
<td>______</td>
<td>______</td>
</tr>
</tbody>
</table>

**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 ________________ mm

**Pumping rod material:**

- ( ) Galvanized iron:
- ( ) Stainless steel:
- ( ) Wire:
- ( ) other

**Pumping rod diameter:**

mm ________________ mm
APPLICATION FOR A GROUNDWATER PERMIT

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5. HYDROGEOLOGICAL DATA

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: _______

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: ____________

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Result</th>
<th>Date</th>
<th>Field/Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbidity</td>
<td>FTU</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp. (Time of sampling)</td>
<td>°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conductivity</td>
<td>uS/cm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td>---</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tot. alkalinity (CaCO$_3$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardness (CaCO$_3$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium (Ca$^{2+}$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium (Mg$^{2+}$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium (Na$^+$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium (K$^+$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbonate (CO$_3^{2-}$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bicarbonate (HCO$_3^-$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulphate (SO$_4^{2-}$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloride (Cl)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrate (NO$_3^-$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonium (NH$_4^+$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tot. Iron (Fe$^{2+}$ + Fe$^{3+}$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manganese (Mn$^{2+}$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluoride (F$^-$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Free Carbon dioxide (CO$_2$)</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tot. dissolved solids</td>
<td>mg/l</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faecal Coli</td>
<td>no/100 ml</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 (m³/h)  Draw down (m)  Spec. Capacity (m³/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)
## Application for a Groundwater Permit

**Form B**

*To be completed in triplicate (3)*

### 9. Details of Organization Submitting Data

<table>
<thead>
<tr>
<th>Name:</th>
<th>[Name]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>[Address]</td>
</tr>
<tr>
<td>Telephone Number:</td>
<td>[Telephone Number]</td>
</tr>
<tr>
<td>Fax No:</td>
<td>[Fax No]</td>
</tr>
<tr>
<td>E-mail:</td>
<td>[E-mail]</td>
</tr>
<tr>
<td>Name of responsible officer:</td>
<td>[Name]</td>
</tr>
<tr>
<td>Title:</td>
<td>[Title]</td>
</tr>
<tr>
<td>Signature:</td>
<td>[Signature]</td>
</tr>
<tr>
<td>Date of data submission:</td>
<td>[Date]</td>
</tr>
</tbody>
</table>

Stamp of organization