

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

APPLICATION FOR A SURFACE WATER PERMIT FORM

A

To be completed in triplicate (3)

Complete this form if you want to register, or to obtain a permit for, works or uses relating to surface water. Depending on what you want to do, you will also have to complete Part A, B, C, D, E, F, or G.

1.- NAMES AND ADDRESSES

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

Address: _____

_____ Telephone: _____

District: _____

Designation: _____

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

Postal address (if different from above): _____

* Delete what is not applicable

2.- LAND REQUIRING WATER

Name of land owner where the works
and use of water will occur: _____

Address of owner: _____

Property regime of land:

() Bona fide occupants () Mailo () Customary () Lease hold ()

Freehold

If lease hold, indicate: volume _____ Folio No _____

If Mailo or Leasehold indicate: Block _____ Plot No _____

Location of land where works

and use of water will occur: _____

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

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

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3.-SOURCE OF WATER

Select the source of water to be diverted, stored or used:

- ☐ River ☐ Lake ☐ Channel ☐ Dam
☐ Stream ☐ Lagoon ☐ Ditch ☐ Dry
 river bed
☐ Swamp ☐ Wetland ☐ Other: _____

Common name of the source of water: _____

Specific point where the water
will be diverted, stored or used: _____

Side of the water uptake (when applicable): ☐ Right Bank ☐ Left Bank

District where the water uptake is located (when applicable): _____

(Attach a topographic map 1:50,000, indicating location of the intake works).

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Basin: _____ Catchment: _____

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

(decimal degrees with digits)

4.- USE OF WATER OR WORKS

Tick one or more boxes as appropriate

Use or proposed use of water

Mean Volume (cubic metres per day)

- | | |
|---|-------|
| <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 _____

Depending on the use of water, you will also have to complete Attachment A, B, C, D, E, F, or G.

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a) Details of canal:

Width at bottom:_____metres. Width at full supply level:_____metres

Depth of water at full

supply level:_____metres. Length:_____metres

Gradient, fall per 100m_____metres. Average velocity_____metres per second

Estimated discharge at fully supply depth_____cubic metre per day

Materials of which canal is constructed_____

b) Details of pipe:

Internal diameter_____millimetres. Length_____metres

Hydraulic gradient, fall in 100 metres_____metres. Pipe thickness_____millimetres

Description of pipe material_____

c) Details of any other structures such as siphons, flumes, tunnels, etc._____

d) Will any canals, pipes or structures be on another person's land? () Yes () No

If so: Name of land affected:_____

Name of its owners and occupiers:_____

How do you propose to measure the volume of water used?_____

f) What type of measuring equipment will be installed?_____

5.2 DIVERSION BY PUMP

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 will the pump be connected to driving machine?_____

Internal diameter of suction main:_____inches. Maximum height of suction_____

Length of suction pipe:_____millimetres.

Height to which water will be lift pump:_____

metres

Internal diameter of delivery pipe:_____inches. 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

d) Will any canals, pipes or structures be on another person's land? () Yes () No

If so: Name of land affected:_____

Name of its owners and occupiers:_____Name of its owners and occupiers:_____

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6.- OTHER INFORMATION

Will the water be used in any way which could increase the silt, gravel or other solids in the water source, or make it likely to harm people, animals, fish, crops, or gardens? () Yes

() No

Give details of any other water permits relating to the same land as this application: _____

When will you begin to use all the water applied for? _____

(Attach your development plan)

For how long will you require a water permit? _____

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 CASH or CHEQUE for Ushs.....for processing the application and send them to:

The Director
 Directorate of Water Development
 P.O. Box 20026
 Kampala

The Director may require you to advertise this application at your cost in a way specified by the Director.

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Official Stamp and Signature:

PART A
DOMESTIC PURPOSES

How much water will you require for each or any of the following purposes?:

| | Number or description | Mean volume of water required (cubic meters per day) |
|--|-----------------------|--|
| 1. <u>Household and sanitary use</u> <ul style="list-style-type: none"> • Number of occupants in low density houses • Number of occupants of medium density houses • Number of occupants of high density houses | | |
| 2. <u>Stock watering</u> : <ul style="list-style-type: none"> • Number of large stock • Type: • Number of small stock • Type: | | |
| 3. <ul style="list-style-type: none"> • Cattle: • Sheep: • Number of animal dips: | | |
| 4. Other non-industrial farming operations (please describe): | | |
| 5. Total mean volume | | |

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PART B

PUBLIC PURPOSES

1 How much water will you require for each or any of the following purposes?

| | Quantity required (cubic meters per day) | |
|--|--|--------------------|
| | Present | In five years time |
| (a) Municipal, urban or community purposes or supply to others in return for payment | | |
| (b) Any other purposes: (Specify) : | | |
| (c) TOTAL water required for public purposes | | |

2 If water is required for purposes mentioned in paragraph 1(a), please provide the following estimates:

| | Density Number of | Low house | Medium Occupant | High Occupant |
|-------------------------------------|----------------------|--------------|--------------------|------------------|
| Estimated population at present | | | | |
| Estimated population 5 years hence | | | | |
| Estimated population 10 years hence | | | | |
| Estimated population 20 years hence | | | | |

3 If water is required for purposes mentioned in paragraph 1(b), to what use will the water be put?:

4 Will the applicant supply water to any other person, in return for payment?

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PART C

INDUSTRIAL PURPOSES

| | Quantity of Water required (cubic metres per day) | Number of hours per day that factory will be working | Periods during the year when water will be required |
|--|---|---|---|
| | | normal: maximum: | |
| (a) Stream raising, cooling and considering water | | | |
| (b) Manufacturing | | | |
| i) Process water | | | |
| ii) Effluent dilution | | | |
| (c) Coffee pulping and washing | | | |
| (d) Other purposes | | | |
| (e) TOTAL water required for industrial purposes | | | |
| (f) If water is required for (b) or (d), to what use will the water be put? | | | |

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PART D

IRRIGATION PURPOSES

Please provide the following information:

| | Crop | Area, hectares | Growing season (months) |
|---|-------------|---------------------------|------------------------------------|
| Crops to be irrigated and area of each: | (1) | | to |
| | (2) | | to |
| | (3) | | to |
| | (4) | | to |
| (b) Quantity of water in cubic metres per day | Jan | April | Jul ___ Oct |
| | Feb | May | Aug ___ Nov |
| | Mar | Jun | Sep ___ Dec |
| (c) What type of soil will be irrigated? | | | |
| (d) Is the sub-soil permeable to drainage? | | | |
| (e) Describe what drainage works will be constructed on the irrigated land | | | |
| (f) How will you dispose of unused water? Name the water source to which it will be returned. | | | |

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PART E

USE OF WATER FOR POWER GENERATION

Please provide the following information:

| | | |
|--|---|---------------------|
| (a) | Purpose for which power is required | |
| (b) | Brake horse power to be developed: | |
| i) | Maximum: | BHP |
| ii) | Minimum: | BHP |
| (c) | Gross fall or head available for power production at the following river stages | |
| i) | at low stage: | metres |
| ii) | at normal stage: | metres |
| iii) | at high stage: | metres |
| <i>(Only answer items (i) and (ii) if the power to be developed is in excess of 100 HBP)</i> | | |
| The net fall or head to be used in (b) above: | | metres |
| The water required to develop (b) above: | | m ³ /day |
| Type of machines to be installed: | | |
| Number of machines to be installed : | | |
| I . How will water be returned to its source after use?: State length of any return channel : | | metres |

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PART F

CONSTRUCTION OF DAM

Please provide the following information for all dams

- (a) Nature of stream bed at site (e.g 'sound rock', 'fissured rock', soil, 'sand')

- (b) Nature of walls of river at site (e.g 'sand', 'soil'): _____
- (c) Will dam be founded on sound rock?: _____
- (d) Will dam be founded on any material which may be eroded by underflow?:

- (e) Describe type of dam (e.g 'earth' with core wall, 'concrete', 'masonry'):

- (f) Length of crest of dam (m): _____. Maximum height of dam (m):
Thickness at crest (m) : _____. Thickness at base (m) :
- (g) Estimated area of reservoir at spillway (ha): _____
- (h) Estimated reservoir storage capacity (m3) : _____
- (i) Will the submerged area at high flood level be on another person's land?
() Yes () No If yes, give the name and other landowners.
- (j) Is either bank of the stream at the site of dam owned by another person?
() Yes () No If so, give the name of other land owners.
- (k) Will any other works including weirs, already constructed or being
constructed be affected by the head and/or tail water level of the proposed
works?
() Yes () No If yes give full details of the works affected.

2 If the dam exceeds 70,000 cubic metres in volume or 5 metres in height, please provide the following information about its catchment area:

- (a) area of surface catchment (km2)
- (b) maximum length of catchment (km)
- (c) average breadth of catchment (km)
- (d) ruling slope of catchment (fall per kilometre)
- (e) nature of ground of catchment (e.g 'rocky', 'stony soil', 'clay soil')

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(f) vegetation of catchment (e.g 'forest', 'shrub', 'pasture', 'crop')

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3. Please provide the following information about means of disposing of flood waters:

- (a) Will the dam act as a weir? () YES () NO
- (b) Will there be by-passes or waste weirs on one or both flanks? _____
- (c) State the width and depth of the by-passes below the crest of the dam: Width (m): _____. Depth (m): _____
- (d) If by-passes or waste weir(s) are to be constructed, state nature of material in which they will be excavated _____
- (e) State maximum capacity of the weir (m³/sec): _____
- (f) State nature of material to be used for lining the by-passes or waste weir(s): _____
- (g) Gradient of waste weir: _____
- If you propose to use some other method to dispose of flood waters, please give details: _____
- _____
- _____

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PART G

OTHER PURPOSES

Describe the amount of water that you will require for any other purposes?:

| PURPOSE | Number or description | Mean volume of water required (cubic meters per day) |
|----------------------|-----------------------|--|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. Total mean volume | | |

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