

WATER RESOURCES ACT

(reg.82)

 (Cap.72:03)

 WATER RESOURCES REGULATIONS, 2018 **FORM H**

APPLICATION FOR AN EFFLUENT DISCHARGE PERMIT

*To be completed in triplicate*

Complete this Form if you want to apply for a permit to discharge, for a new discharge or for a variation to an existing permit to discharge under the Water Regulations. You will also have to complete Part A, B, C or D. A different form is required for trade effluents discharged to sewer for treatment at a municipal wastewater treatment plant.

A permit is required for each separate discharge. If you currently discharge or propose to discharge from more than one point, then a separate application form must be completed for each discharge.

Is this an application for a new discharge or a variation to an existing discharge?

( ) New ( ) Variation

**1. Name and addresses of the client**

|  |  |
| --- | --- |
| Name |  |
| Address |  |
| District |  |
| Telephone  |  |
| Mobile Phone |  |
| Email |  |

**2. Land related to this application**

Name of landowner where the works and use of water occurs or will occur

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address of landowner \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Property regime of land: ( ) Freehold ( ) Customary tenure ( ) Lease ( ) Public Land

If leasehold, indicate: Plot No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If freehold, indicate: Plot No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Location of land where works and use of water occurs or will occur

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

District \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Area of that land \_\_\_\_\_\_\_\_\_\_ (in hectares)

**3. Nature of discharge**

State the nature of discharge: (✓*tick one or more boxes as appropriate*)

( ) Sewage effluent ( ) Emergency discharge of sewage effluent

( ) Trade waste ( ) Any other matter (inc. contaminated surface water)

(Specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For sewage and trade wastes and emergency discharges—

(a) maximum quantity it is proposed to discharge in one day \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (m3/day)

(b) highest rate at which it is proposed to operate the discharges \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ l/sec.

(c) periods during which discharge will take place\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For rainfall dependent discharges, state the area to be drained \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ m2

Identify roof areas and other impervious areas\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4. Means of discharge**

Indicate proposed means of discharge:

( ) Pipe ( ) Brook ( ) Borehole ( ) Soakaway ( ) Well ( ) Culvert ( ) Subirrigation system

( ) Soakaway and subirrigation system ( ) Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5. Technical details of the discharge**

Give details as appropriate—

(a) For pipes, channels, wells and boreholes—

Diameter \_\_\_\_\_\_\_\_ millimetres Dimension(s) \_\_\_\_\_\_\_\_ (m)

(b) For subirrigation systems, soakaway pits, wells and boreholes—

Depth \_\_\_\_\_\_\_\_ metres Geological stratum (if known) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(c) For boreholes—

Type of lining \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Depth of lining \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (m)

Depth of perforated lining \_\_\_\_\_\_\_\_\_\_ (m)

Depth of unperforated lining \_\_\_\_\_\_\_\_ (m)

**6. Receiving water body/land**

Water to which waste will be discharged directly. (✓*Tick the category to which the proposed discharge(s) are to be made*)

( ) River or stream ( ) Onto land ( ) Canal ( ) Directly into groundwater ( )

Lake or pond ( ) Into land and watercourse ( ) Into land (not discharging to a river or stream)

State name of watercourse (if known) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a foul sewer available to which the discharge could be made?

( ) Yes ( ) No If yes, give reason for not connecting \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance from nearest foul sewer \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (m)

**7. Sampling of discharge**

Authority will normally be required for the taking of samples of the discharge.

(Please indicate the sampling points proposed.)

( ) At the outlet ( ) At the manhole or sampling chamber ( ) See plan ( ) Other (give further details)

**8. Other information**

Is permit required for limited period? ( ) Yes ( ) No

If yes, give relevant dates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

On what date do you anticipate the discharge will begin to be made \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Does this proposal replace an existing discharge? ( ) Yes ( ) No

If yes, give details \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Are there any existing consents for discharge from the premises? ( ) Yes ( ) No

If yes, give details, numbers if known \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please give the details of the premises. *(✓Tick as appropriate*)

( ) Vehicle parking area ( ) Industrial premises ( ) Fish farm ( ) Mineral workings

( ) Sewage treatment works ( ) Water supply ( ) Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**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 Authority that I have provided all the necessary information.

Signature of Applicant**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Full names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Note**—

(1) You must ensure to provide the information on Part A, B, C or D.

(2) A permit is required for each separate discharge. If you currently discharge or propose to discharge from more than one point, separate application forms must be filled for each discharge.

(3) The Authority will return one form to the applicant authenticated with the official seal.

(4) You must attach a copy of bank cash deposit slip or cheque amounting to \_\_\_\_\_\_\_\_\_\_ Malawi Kwacha for processing your application and deposit to the National Water Resources Authority designated bank account or send them to:

The Executive Director, National Water Resources Authority, Private Bag 363, Lilongwe 3, Telephone: +265 (0) 111 647 907 , Email: nwrasec@gmail.com

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

**For Official Use Only**

Date of receipt of the application: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Application number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of the officer receiving the application: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Official stamp: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part A-Application for a Waste Discharge Permit**

To be completed in triplicate.

**In the case of subirrigation systems and soakaways**—

(a) Is any part of the system within ten metres of the site boundary? ( ) Yes ( ) No

(b) Is any part of the system within ten metres of a watercourse? ( ) Yes ( ) No

(c) Is the land in which the disposal system is to be constructed under drained with land drains discharging to a watercourse or to be so drained? ( ) Yes ( ) No

(d) If the answer to either (b) or (c) is yes, please state the name of the watercourse or sufficient information to identify it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(e) Attach details of the percolation test carried out.

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Signature of Applicant**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Full names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part B-Application for an Effluent Discharge Permit**

To be completed in triplicate.

**For sewage treatment plants**—

(a) State the population served/population equivalent/estimated population—

All year \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Wet season \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dry season \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(b) Give details of the treatment plant to be used. Attach extra sheets if necessary.

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Signature of Applicant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Full names \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part C-Application for an Effluent Discharge Permit**

To be completed in triplicate.

**For trade wastes and sewage discharges containing trade wastes**—

(a) Describe the process(es) from which the waste arises and the characteristics of the trade waste including the maximum, minimum and mean values of COD, BOD and SS of the waste.

(b) Maximum temperature of the waste discharged \_\_\_\_\_

(c) Electrical Conductivity: \_\_\_\_\_\_\_\_\_\_\_\_\_

(d) Does the waste contain any of the following? ( ) Yes ( ) No

If yes, ✓tick those present and give full details separately (including maximum, minimum and mean values)

|  |  |  |  |
| --- | --- | --- | --- |
| **Element** | **✓** | **Element** | **✓** |
| Aldrin |  | Flucofuran |  |
| Arsenic |  | Hexachlorobenzene (HCB) |  |
| Atrazine |  | Lead |  |
| Azinphos-ethyl |  | Malathion |  |
| Azinphos-methyl |  | Mercury and its compounds |  |
| Boron |  | Nickel |  |
| Cadmium and its compounds |  | Parthon |  |
| Carbon tetrachloride |  | Parathion methyl |  |
| Chloroform |  | PCSD’s |  |
| Chromium |  | Pentachlorophenol (PCP) and its compounds |  |
| Copper |  | Perchloroethylene |  |
| Cyanide |  | Sulcofuron |  |
| Cyfluthrin |  | Tetrachloroethylene |  |
| DDT |  | Tributyltin compounds |  |
| 1.2-Dichloroethane |  | Trichlorobenzene |  |
| Dichlorvos |  | Trichloroethane |  |
| Dioxins |  | Trichloroethylene |  |
| Endosulfan |  | Trifluralin |  |
| Fenitrothion |  | Triphenyltin compounds |  |
| Fenthion |  | Uranium |  |

(e) Give details of any other significant chemical components contained in the waste, especially of any wastes containing chemical components controlled under the Environment Management Act or any other law in force (attach separate sheet).

Prescribed trades and premises

|  |  |  |
| --- | --- | --- |
| Airports  | Hospitals  | Sewerage treatment plants  |
| Breweries  | Leather tanning factories  | Soap factories  |
| Coffee factories  | Meat processing factories  | Soft drink manufacturers  |
| Commercial fish farms  | Mineral extraction and processing | Steel rolling mills  |
| Domestic | Mines and processors  | Sugar factories  |
| Fish processing factories  | Oil factories  | Textile factories |
| Fruit and vegetable processing factories | Plastic manufacturers  | Other (specify) |
| Slaughtering works (as may be identified by the Authority)  |  |

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Signature of Applicant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Full names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part D-Application for a Waste Discharge Permit**

To be completed in triplicate.

**For emergency discharges and contaminated surface waters—**

State the type of discharge. Tick one or more boxes as appropriate:

Emergency overflow from sewer ( ) Answer all except 3

Emergency overflow from pumping station ( ) Answer all except 2

Contaminated surface water ( ) Answer 4, 7

Other ( ) Answer as appropriate

If other, please give further details:

1. (a) State average flow to pumping station/in sewer (in m3/day or l/s)

 (b) State maximum flow to pumping station/in sewer (in m3/ day or l/sec.)

2. Expected frequency of operation per year

3. State volume of wet well ( m3 )

4. What provisions have been made to raise alarms? (e.g., telemetry)

5. What facilities have been provided to prevent the discharge of gross solids? (For screens give bar spacings or aperture)

6. What provisions have been included to deal with—

(a) Power failure?

(b) Mechanical breakdown?

(c) Rising main failure?

7. What facilities have been provided for flow measurements?

8. Are there any other factors to be taken into account?

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Signature of Applicant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Full names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_