

# Water Conservation Methods for MRVA Agricultural Groundwater Withdrawal Permits

Complete all sections that apply to your permitted beneficial use(s) or the application will not be accepted.  
Check 'P' for proposed or 'I' for implemented for all methods that you have or intend to apply.

### IRRIGATION:

At least one (1) of the following must be implemented within 3 years of issuance for your permit to remain valid for the full 5 year term or you may install an approved flowmeter and report your usage annually to MDEQ. If you choose Flowmeter, complete the Flowmeter section at bottom of page.

- 1) All water from the well is applied through a sprinkler. .... P  or I
- 2) Irrigation runoff (tail water) is captured by the applicant and reused. If already implemented, what is the applicable active surface water permit number(s)? SW-\_\_\_\_\_ P  or I
- 3) When available, surface water is applied to at least 75% of the irrigated area instead of groundwater. If already implemented, what is the applicable active surface water permit number(s)? SW-\_\_\_\_\_ P  or I
- 4) All (100%) of the permitted acreage is precision land formed. .... P  or I   
To qualify as an acceptable conservation practice, precision land forming must **ALSO** have at least **ONE** of the following:
  - Permanent perimeter pads and pipes. .... P  or I
  - Land formed to zero grade. .... P  or I
  - "PHAUCET" or similar approved irrigation design computer program used to design optimum polypipe hole sizes. (Copy of Phaucet design sheet must be included when you return this form.)..... P  or I
  - Timer automatically or remotely shuts off the well. .... P  or I
  - Side inlet water distribution is used when the acreage is in rice..... P  or I

### FISH CULTURE:

Either two (2) of the following must be implemented within 3 years of issuance for your permit to remain valid for the full 5 year term or you may install an approved flowmeter and report your usage annually to MDEQ. If you choose Flowmeter, complete the Flowmeter section at bottom of page.

- 1) The outlet pipe elevation is set equal to or higher than the pond levee height from May 1 through October 31..... P  or I
- 2) There is a timer or device installed on the well to automatically or remotely shut it off. .... P  or I
- 3) Pond levels are maintained with several inches of unfilled pond storage to prevent overflowing and allow capture of rainfall. This is managed using a visual water level indicating device in the pond..... P  or I

### WILDLIFE MANAGEMENT (migratory waterfowl):

At least one (1) of the following must be implemented within 3 years of issuance for your permit to remain valid for the full 5 year term or you may install an approved flowmeter and report your usage annually to MDEQ. If you choose Flowmeter, complete the Flowmeter section at bottom of page.

- 1) When available, surface water is used to flood the permitted area instead of groundwater. If yes, what is the applicable active surface water permit number(s)? SW-\_\_\_\_\_ ..... P  or I
- 2) The operator has a system in place to capture rainfall on the site by closing a water control structure (like a slotted board riser) and does so in the late summer or early fall. Month outlet closed\_\_\_\_\_ Month outlet opened\_\_\_\_\_ ..... P  or I

### FLOWMETER (complete this section if you have (or will have) installed an approved flowmeter and you intend to report water use annually to MDEQ):

- 1) Is your flowmeter proposed or already installed? ..... P  or I
- 2) If flowmeter already installed, also provide the rest of the flowmeter information below

Meter Manufacturer: \_\_\_\_\_ Meter Serial Number: \_\_\_\_\_

Meter Model Number/Name: \_\_\_\_\_ Type of Meter: \_\_\_\_\_

Totalizer Register Unit and Multiplier Factor (AF x .001, gal x 1000, etc): \_\_\_\_\_

If you indicated an already installed flowmeter, reporting of your annual water usage will be due by February 1<sup>st</sup> each year for the previous year.

I hereby attest that the conservation methods selected above are, or will be, implemented and will be maintained on the land associated with this Groundwater Withdrawal Permit application.

Print Name \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_