

Acceptable Agricultural Water Efficiency Practices 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.

CROPS:

A sprinkler system, such as a center pivot, to supply irrigation water for the permitted acreage or three (3) of the approved practices listed in item 2 must be implemented within 3 years of issuance in order for your permit to remain valid for the full 5-year term:

- 1) A sprinkler system, such as a center pivot, to supply irrigation water for the permitted acreage P or I
- 2) At least three (3) of the following practices (check all that apply):
 - a. Precision land-forming and/or perimeter pads and pipes P or I
 - b. Computerized hole selection, such as Pipe Planner, to supply irrigation water for the permitted acreage P or I
 - c. Irrigation scheduling using either:
 - i. Soil moisture sensor data P or I
 - ii. A water-level indicating device for rice fields..... P or I
 - d. Surge valve P or I
 - e. A tail-water recovery system to supply at least 25% of the irrigation water for the permitted acreage..... P or I
 - f. Surface water from a permitted surface water intake to supply at least 75% of the irrigation water for the permitted acreage P or I
 - g. Zero grade or modified zero grade P or I
 - h. Alternate wetting and drying (rice) P or I
 - i. Side inlet water distribution P or I
 - j. A timer or automatic shut off that can remotely or automatically shut off wells P or I
 - k. A fixed meter and report of annual metered water use to MDEQ by February 1st of each year. (If implemented, please fill out Flowmeter section below.) P or I

FISH CULTURE:

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:

- 1) A water-level indicating device or pond drain design that allows for significant rainfall capture during the growing season P or I
- 2) A fixed meter and report annual metered water use to MDEQ by February 1st of each year. (If implemented, please fill out Flowmeter section below.) P or I

WILDLIFE MANAGEMENT:

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:

- 1) A water control structure, such as a slotted board riser, that captures rainfall and runoff to the greatest extent practical. It is recommended that the structure be closed by (a) November 1 or (b) as soon after harvest as possible, whichever is earlier P or I
- 2) A fixed meter and report annual metered water use to MDEQ by February 1st of each year. (If implemented, please fill out Flowmeter section below.) P or I

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

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): _____

Note: If you indicated you already installed a flowmeter, reporting of your annual water usage will be due by February 1st each 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 _____