

FLOOD DOSE WORKSHEET

Number of bedrooms _____ 91-799 Sec 3(d)

Septic tank size _____ Sec 38(a)

Dosing tank size _____ Sec 44(g)

Discharge Rate:

Required Pump Discharge Rates for Flood Dosed Systems

<u>Number of Bedrooms</u>	<u>Discharge Rate in Gpm</u> Sec 53(4) Table VII
1,2	30
3	30-45
4	30-60
5	38-75
6	45-90

Select a discharge rate within the range Gpm (from above chart)

Friction loss:

Diameter of delivery line _____. Select size based on flow from Table VII, Sec 53(v)

Length of delivery line _____ feet

Friction loss in delivery line _____ feet Table VIII Sec 53(v)

(Friction loss from table x feet of del. line ÷ 100 ft = your friction loss)

Example:

(Refer to Table VIII Sec 53 (v))

60 Gpm

Diameter of delivery line = 3 inches Length of delivery line = 75 feet

Friction loss from table = .91 feet

The friction loss is calculated as follows:

.91 x 75 feet of del. line ÷ 100 ft = .68 feet

System Hydraulics:

Elevation difference (pump to D-Box)	_____ feet
Friction loss in delivery line	_____ feet
Total Head (Elevation difference + friction loss)	_____ feet
Discharge rate (from above)	_____ Gpm

Select pump, if pump's curve does not correspond to the above total head and discharge rate, either find a new pump & curve or re-do worksheet within required discharge range.

Pump's name, model number and performance curve included with application _____ YES
_____ NO

Dosing tank will be, set up in compliance with Sec 44 and Sec 45 of State Septic Code _____ YES
_____ NO

Electrical connections, if inside tank or riser, will be inside gas/waterproof box _____ YES
_____ NO

All septic tank and dosing tanks will have risers in in accordance with Sec 39(g) _____ YES
_____ NO

Dose tank will be equipped with an audible and visual alarm _____ YES
_____ NO

This site is currently being protected against any soil filling, excavating, compaction, or other types of disturbances that may compromise soil structure. _____ YES
_____ NO

Perimeter Drain (if applicable)

Depth of perimeter drain _____ inches
Perimeter drain outfall _____ on lot to ground surface
(elevations included on plans)
or
_____ to field tile discharging off lot (include legal easements and elevations with plans)

A "to scale" drawing of the proposed flood dosed system including all applicable checklist items, birds eye view, and cross sectional view is included. _____ YES
_____ NO

Omitted or incorrect information on your septic plans may slow or stop the permit process.