AREAWIDE SEPTIC DOSE WORK SHEET

1. Address_____
2. Permit Number_____
3. #Bedrooms____ x 120 gallons/day = _____ {Qpeak}gal/day
   _____ **Q peak** x 60% = _____ {Q ave} **gal/day**

   _____
   Draw lateral network [label distal heights]
   Record the initial distal heights at least 25% (min 2) of the laterals

4.

   _____

5. Set squirt height at 60" {lowest distal height has to be at 60"} Document all
   others, differential not to exceed 10% {60" x 10% = 6}

6. Manufacturer of dose tank _____
   Dose tank dimensions _____
   Gallons/inch _____

7. Run drawdown test for 2-4 minutes   end measurement _____
   {Longer is better}   start measurement _____
                                        Difference _____
            Difference x gallons/inch {or chart} _____gallons
            Gallons/run time = _____gallons/minute
                                            [Q set]

8. **Qdesign [Q design** is #orifices times orifice flow rate] _____gal/min
   1/8 = .43 gal/min   3/16 = .97 gal/min

9. **Qset** _____/ **Q design** _____ = _____ or _____ %
                         ÷

10. Calculate drain back _____ ft ¾" x .028 gal/ft = _____ gallons
                         _____ ft 1" x .045 gal/ft = _____ gallons
                         _____ ft 1.25 x .078 gal/ft = _____ gallons
                         _____ ft 1.5 x .106 gal/ft = _____ gallons
                         _____ ft 2" x .174 gal/ft = _____ gallons

    Calculate the total dose volume_____

11. Dose volume (per design) {V net} = _____gallons/dose

V net dose _____ gallon/dose + **V total** drainback _____ gal =
V total dose _____ gallons

Calculate timer settings
On Setting = **V Total Dose (gal/dose) ÷ Qset (gal/min)** = >> _____ gal/dose
÷ _____ gal/min = On Setting _____ min/dose

Convert any fractional minutes to seconds. (1/10 minute = 6 seconds Ex. .67 min
X 60 sec/min = 40 sec)

On Setting = _____ min _____ sec (Note: Overide on Setting set the same as On
Setting)

Off Setting = **Qaverage (gal/day) ÷ Vet Net Dose (gal/dose)** = >> _____ gal/day
÷ _____ gal/dose = **[Daverage]** _____ doses/day

24 hours/day ÷ [Daverage] _____ doses/day = Off Setting _____

Convert any fractional hours to minutes (.10 hour = 6 minutes Ex. .20 hours x
60 min/hour = 12 minutes).

Off Setting = _____ hrs _____ min – per dose

Override Off Setting = **Qpeak (gal/day) ÷ V Net Dose (gal/dose)** = >>
_____ gal/day ÷ _____ gal/dose = **Dpeak** _____ doses/day

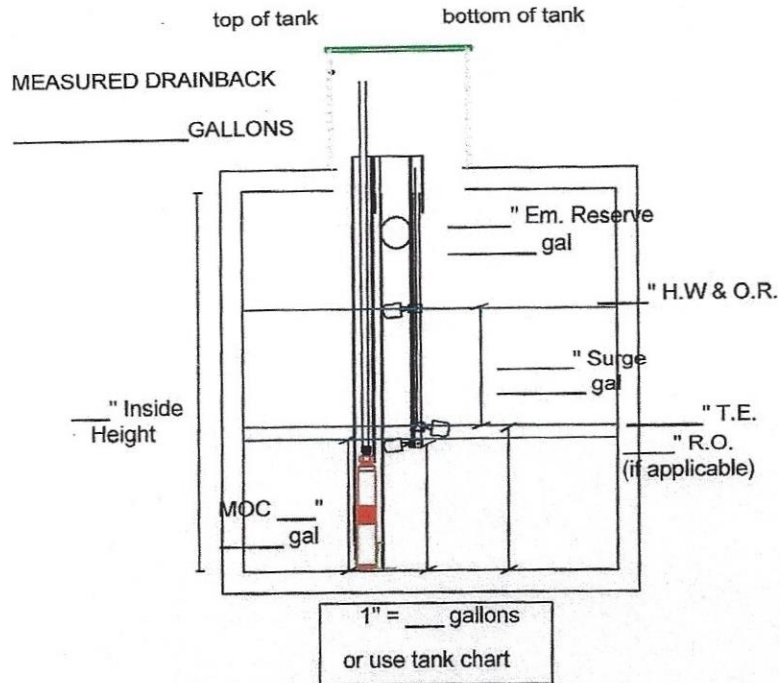24 hours/day ÷ **[Dpeak]** _____ doses/day = Override Off Setting _____ hours/dose

Convert any fractional hours to minutes (.10 hour = 6 minutes Ex. .45 hours x 60
min/hour = 27 minutes)

Override Off Setting = _____ hrs _____ min – per dose

STARTUP DATE:_____

AS-BUILT TANK & PANEL SETTINGS

Measurements in tank from :(circle one)

top of tank   bottom of tank

MEASURED DRAINBACK

_____GALLONS

_____ " Em. Reserve
_____ gal

_____ " H.W & O.R.

_____ " Surge
_____ gal

___ " Inside
 · Height

_____ " T.E.
_____ " R.O.
(if applicable)

MOC ___ "
_____ gal

1" = ____ gallons

or use tank chart

If transducer or air bell installed _____ " from top   from bottom

Height of invert of tank inlet _____ "

PANEL TRANSDUCER OR AIR BELL SETTINGS:

On _____ "

OFF _____ "

HW _____ "

OR _____ "

Timer settings :

Avg flow   pump run on _____Min. _____ Sec.

          pump off _____ Hrs _____ Min.

Peak Flow   pump run on _____Min. _____ Sec.

          pump off _____Hrs _____ Min.