



## Brown County Health Department

826 Mt Orab Pike, Georgetown, OH 45121

[www.browncountyhealth.org](http://www.browncountyhealth.org)

Health Commissioner: Kyle D. Arn, MS, RS

Our mission is to protect and improve the health of Brown County residents by providing preventive services, ensuring healthy environments and promoting healthy lifestyles.

PHONE: 937.378.6892 | TOLL FREE: 866.867.6892 | FAX: 937.378.4301 | MON-FRI 8AM - 4:30PM

### MOUND DOSE WORK SHEET

Owner Name: \_\_\_\_\_ Date: \_\_\_\_\_ Permit # \_\_\_\_\_

Address: \_\_\_\_\_

Number of Bedrooms: \_\_\_\_\_ x 120 gallons per day = \_\_\_\_\_ (Qpeak) gal per day

\_\_\_\_\_ Qpeak x 60% = \_\_\_\_\_ (Q average) gal per day

Manufacturer of dose tank \_\_\_\_\_

Dose Tank Volume \_\_\_\_\_

Gallons per inch \_\_\_\_\_

Run Time \_\_\_\_\_ minutes

Start Measurement \_\_\_\_\_

End Measurement \_\_\_\_\_

Difference \_\_\_\_\_

Difference x gallons per inch (or chart) \_\_\_\_\_ gallons

Gallons/run time = \_\_\_\_\_ gallons per minute (Qset)

Drain back measurement \_\_\_\_\_

Drain back x gallons per inch = \_\_\_\_\_ Vtotal Drain back

Qdesign (Qdesign is number orifices x orifice flow rate) \_\_\_\_\_ gallons per minute

1/8 = .43 gallons per minute

3/16 = .97 gallons per minute

Qset \_\_\_\_\_ / Qdesign \_\_\_\_\_ = \_\_\_\_\_ %

Qset/Qdesign must be between .85% & 1.15%

Dose Volume (per design) = \_\_\_\_\_ gallons per dose (Vnet dose)

Vnet dose \_\_\_\_\_ gallons per dose + Vtotal drain back \_\_\_\_\_ gallons = Vtotal dose \_\_\_\_\_ gallons

Equal Opportunity Employer



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### Calculate timer settings

On setting =  $V_{\text{total Dose (gallons per dose)}} / Q_{\text{set (gallons per minute)}}$  = \_\_\_\_\_ gallons per dose / \_\_\_\_\_ gallons per minute = On setting \_\_\_\_\_ minutes per dose

Convert the decimal number to seconds by multiplying the number by 60. For example:  $1.25 \times 60 = 75$  seconds.

On setting = \_\_\_\_\_ minutes \_\_\_\_\_ seconds (note: override on setting set the same as on setting)

Off setting =  $Q_{\text{average (gallons per day)}} / V_{\text{net Dose (gallons per dose)}}$  = \_\_\_\_\_ gallons per day / \_\_\_\_\_ gallons per dose = (Daverage) \_\_\_\_\_ doses per day

24 hours per day / (Daverage) \_\_\_\_\_ doses per day = Off setting \_\_\_\_\_

Convert the decimal number to seconds by multiplying the number by 60. For example:  $1.25 \times 60 = 75$  seconds.

Off Setting = \_\_\_\_\_ hours \_\_\_\_\_ minutes per dose

Override Off Setting =  $Q_{\text{peak (gallons per day)}} / V_{\text{net Dose (gallons per dose)}}$  = \_\_\_\_\_ gallons per day / \_\_\_\_\_ gallons per dose = Dpeak \_\_\_\_\_ doses per day

24 hours per day / (Dpeak) \_\_\_\_\_ doses per day = Override Off Setting \_\_\_\_\_ hours/dose

Convert the decimal number to seconds by multiplying the number by 60. For example:  $1.25 \times 60 = 75$  seconds.

Override Off Setting = \_\_\_\_\_ hours \_\_\_\_\_ minutes per dose

Permit # \_\_\_\_\_