



Brown County Health Department

9116 Hamer Road, Georgetown, OH 45121

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

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

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 = $Q_{\text{peak (gallons per day)}} / V_{\text{net Dose (gallons per dose)}} = \text{_____ gallons per day} / \text{_____ gallons per dose} = D_{\text{peak}} \text{ _____ doses per day}$

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 # _____