

# Stormwater Treatment Practice Calculator

## Identification

Date	11/14/2019
WPD ID	
STP Name	Lamoille Union Schools - West

## Loading Information

Drainage Area	9 - Lamoille River	
Impervious Area	1.871	acres
Pervious Area	0.744	acres

## STP Information

STP Type	Subsurface Infiltration	
Storage Volume	11848.302	ft³
Infiltration Rate	8.27 (Sand, HSG - A)	in/hr
Filter Course Depth		in

## Estimated Phosphorus Reduction

Load	2.3	kg/year
STP Capacity	1.5	in
Efficiency	100	%
Reduction	2.3	kg/year

# Stormwater Treatment Practice Calculator

## Identification

Date	11/14/2019
WPD ID	
STP Name	Town Office Building

## Loading Information

Drainage Area	9 - Lamoille River	
Impervious Area	3.09	acres
Pervious Area	2.12	acres

## STP Information

STP Type	Subsurface Infiltration	
Storage Volume	5837.0313	ft³
Infiltration Rate	8.27 (Sand, HSG - A)	in/hr
Filter Course Depth		in

## Estimated Phosphorus Reduction

Load	4	kg/year
STP Capacity	0.48	in
Efficiency	95.51	%
Reduction	3.82	kg/year

# Stormwater Treatment Practice Calculator

## Identification

Date	11/14/2019
WPD ID	
STP Name	Sylvan Hill Rd and Johnson St Ext

## Loading Information

Drainage Area	9 - Lamoille River	
Impervious Area	1.89	acres
Pervious Area	4.51	acres

## STP Information

STP Type	Subsurface Infiltration	
Storage Volume	4573.7932	ft³
Infiltration Rate	1.02 (Sandy Loam, HSG - B) in/hr	
Filter Course Depth		in

## Estimated Phosphorus Reduction

Load	3.18	kg/year
STP Capacity	0.5	in
Efficiency	79.29	%
Reduction	2.52	kg/year