

Calculating Flow Rates for Onsite Wastewater Treatment System Design

Number of Bedrooms		Number of PPL/bdrm		Peak Daily Flow/person		Peak Daily Flow	
<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>	PDF

Plumbing Fixture Units

Fixture	Value	X	Number of Units	X	Vol/Unit	=	Peak Daily Flow
Basin/sink	1	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Bathtub	1.5	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Single head shower	1.5	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
2 or 3 Shower Heads	3	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Water Closet (toilet w/flush tank)	4	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Bathroom Group	6	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Kitchen sink and dishwasher	1.5	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Laundry standpipe	2	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Laundry tray or tub (one or two compartment)	1.5	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Floor drain		X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
4 in	3	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
3 in	3	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
2 in	2	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>
Bidet	1	X	<input style="width: 100%; height: 30px;" type="text"/>	X	<input style="width: 100%; height: 30px;" type="text"/>	=	<input style="width: 100%; height: 30px;" type="text"/>

Total Fixture Units	=	<input style="width: 100%; height: 30px;" type="text"/>	TFU
Less Fixture Units Allowed per Number of Bedrooms	-	<input style="width: 100%; height: 30px;" type="text"/>	
Additional Fixture Units	=	<input style="width: 100%; height: 30px;" type="text"/>	AFU

Peak Daily Flow Based on Number of Bedrooms (PDF)		<input style="width: 100%; height: 30px;" type="text"/>	PDF
Additional Fixture Units (AFU)	+	<input style="width: 100%; height: 30px;" type="text"/>	AFU
Total Peak Daily Flow for Design Purposes (TPDF)	=	<input style="width: 100%; height: 30px;" type="text"/>	TPDF