

## UIC Program Guidance For Calculating Total Domestic Water Use For Permitting a Ground-Source Heat Pump



Idaho Code (42-111 & 42-227) defines domestic water use and states that a water right is not required for domestic use, provided that the volume of water does not exceed 13,000 gallons per day. When permitting an injection well for a ground-source heat pump, the UIC Program must determine if the use of a heat pump will cause a homeowner to exceed the 13,000 gallon per day limit for a domestic water right exemption. If domestic water use is anticipated to exceed 13,000 gallons per day, the applicant must obtain a water right before the injection well permit can be issued by IDWR.

The following table should be completed to document your calculation of total domestic water use for Section II of your injection well application.

Use	Gallons Per Day Per Person		Number of People		Total Gallons Used Per Day
Single Family Residence	75	x		=	
Luxury Residence	150	x		=	
Use	Gallons Per Day Per Animal		Number of Animals		
Cattle	12	x		=	
Dairy Cattle	35	x		=	
Horses	12	x		=	
Mules	12	x		=	
Hogs	4	x		=	
Goats	2	x		=	
Sheep	2	x		=	
Other Livestock		x		=	
Use	Gallons Per Day Per 100 Animals		Number of Animals		
Chickens	10	x		=	
Turkeys	18	x		=	
Other Poultry		x		=	
Use	Gallons Per Day Per 1 Acre at 9 gpm		Number of Acres		
Irrigation	12,960	x		=	
Use	Average Weekly Injection Rate (gpm) See Page 5 Guidance – Example 1		Minutes Per Day		
Heat Pump		x	1440	=	
Other Uses	Gallons Per Day				
<b>Total Gallons Per Day Used</b>					