Personal Water Use Record

For this worksheet you are going to keep track of all of the water you use in a 24-hr period. To assist us in locating leaks and estimating water flow, we will also be using the “Home Water Conservation Kits” provided by the City of Bellevue.

Predicted Water Use
Before actually recording how much water you use in a day and a week, record how much you think you use.

I think I use about _______ gallons/day and _______ gallons/week.

Measuring Water Use
Using the instructions on the white & green “shower bag” in the Conservation Kit, make an accurate measurement of the following and multiply times the length of use to determine how much water you use for each activity. When you are done enter these values into the “measured gallons column of the Water Use Chart below.

Shower:
_____ gallons per minute (GPM from bag) x ____ minutes per shower = _____ gallons per shower

Faucet:
_____ gallons per minute (GPM from bag)
  x length of time for brushing teeth (with water flowing) = ____ gallons per brushing teeth
  x average length of face/hand washing = ____ gallons per washing face/hands

Actual Water Use
For the next 24 hours, keep track of the actual ways that you use water and the number of times you use water each way. You can use the estimated amounts per use or you can actually measure the amount of water used.

<table>
<thead>
<tr>
<th>Water Use</th>
<th>Times per Day</th>
<th>Amount Used</th>
<th>Total Used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>estimated gallons*</td>
<td>measured gallons</td>
</tr>
<tr>
<td></td>
<td></td>
<td>per day</td>
<td>per week (day x 7)</td>
</tr>
<tr>
<td>Bathing</td>
<td>30(1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Showering</td>
<td>50(2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flushing toilet</td>
<td>1.5(3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washing face/hands</td>
<td>5(4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Getting a drink</td>
<td>0.25(5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brushing teeth</td>
<td>2(6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooking</td>
<td>10(7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washing clothes</td>
<td>60(8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Washing dishes</td>
<td>30(9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Totals (should include things that don’t happen every week)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Multiply times 52 weeks to get your average annual water use:
*Notes about estimates:
(1) depends on how full the tub is
(2) 25 gal with low-flow head
(3) 6 gal with a pre-1994 toilet
(4) 2 gallons if you turn the water off
(5) includes running water to cool it off
(6) 0.25 if you turn water off
(7) per supper, includes rinsing
(8) large load
(9) 10 gal with dishwasher or if you use two 5-gallon plans

Additions and Leaks:

Use the tools provided to determine if you have any leaks or additional uses of water.

(a) Place the “Toilet Tank Leak detection tablets in your toilet tank (read the instructions on the package). After 15-20 minutes determine if you have a leak.

Do you have a leak?
If yes, calculate how much water you are losing per week/year.

5 gallons/day x 7 days = _____ gallons per week x 52 = _____ gallons per year

(b) Use the drip gauge to measure the water loss from any leaky faucets.

Do you have any leaks?
If yes, write down the amount of water you lose per year ____ gallons per year (GPY)

(c) If necessary, add these totals to annual water use and calculate a new total.

Including leaks I use _____________ gallons per year

Average Use Based on Utility Bill

Find a copy of a recent utility bill. (The bill usually covers a two month period.) Use the bill to calculate the total water use in your house/apartment per day and per week. (If more than one person lives in your home, divide the daily and weekly averages by the number of people in your house.)

Daily Use: ____________ gallons /person /day

Weekly Use: ____________ gallons /person /week

Yearly Use: ____________ gallons /person /year

How does this average compare with the total uses calculated above?