



N.C. Department of Labor  
Division of Occupational Safety and Health  
Agricultural Safety and Health Bureau  
4 W. Edenton St.  
Raleigh, NC 27601-1092  
Telephone (919) 807-2923  
Fax (919) 807-2924

### Procedure to Determine Adequate Hot Water for Showers in Temporary Labor Camps

Grower's Name: \_\_\_\_\_ Camp No. \_\_\_\_\_

1. Be sure that hot water has not been used for showers or laundry within one hour prior to conducting this test.
2. Record storage capacity and recovery rate information for the water heater(s) that serve the shower(s). See specification plate on water heater.

Heater	Capacity	Recovery Rate
#1	_____ gallons	_____ gallons per hour at _____ °F
#2	_____ gallons	_____ gallons per hour at _____ °F
#3	_____ gallons	_____ gallons per hour at _____ °F
#4	_____ gallons	_____ gallons per hour at _____ °F

3. Number of people to be housed in the camp: \_\_\_\_\_ people.
4. Number of operating shower heads: \_\_\_\_\_ shower heads.
5. Determine the time the showers must produce hot water for this test by multiplying the number of people from Step 3 above by 1.75 and dividing the product by the number of shower heads from Step 4 above.

$$\frac{\text{People ( )} \times 1.75}{\text{Shower Heads ( )}} = \text{_____ minutes. Round to next higher minute: _____ test minutes.}$$

6. Turn on the hot water only for one shower until the water temperature reaches 90°F. Then turn on hot water only for the remaining showers to be used in this test as determined in Step 4 above. Adjust all running showers to a steady spray and start your stopwatch.
7. Run the showers for the number of minutes calculated in Step 5 above and immediately check and record below the water temperature reading.

Water temperature is \_\_\_\_\_ °F.

8. If the system is still producing hot water at or above 90°F, it is adequate. If the temperature is below 90°F, the system is inadequate. Circle your finding below:

Adequate

Inadequate

Date: \_\_\_\_\_ Time: \_\_\_\_\_ Place: \_\_\_\_\_

Test conducted by: \_\_\_\_\_ (Please Print)