

# Highline Meadows Building 130 Real Hot Water Temperature Readings= 127F Danger Zone for Scalding Measured March 5<sup>th</sup> 2008 at 8:45 am

The chart below shows the exposure time of human skin in hot water of different temperatures before burning or scalding occurs. Hot water heaters and mixing valves can prevent scalding.

Temperature/Time/Burn Chart

| TEMPERATURE OF<br>WATER IN DEGREES F | MINIMUM TIME FOR<br>FIRST DEGREE BURN | MIN. TIME FOR SECOND<br>OR THIRD DEGREE BURN |
|--------------------------------------|---------------------------------------|--|
|                                      |                                       |  |
| 111                                  | 5 hours                               | 7 hours                                      |
|                                      |                                       |  |
| 116                                  | 35 minutes                            | 45 minutes                                   |
|                                      |                                       |  |
| 118                                  | 10 minutes                            | 14 minutes                                   |
|                                      |                                       |  |
| 122                                  | 1 minute                              | 5 minutes                                    |
|                                      |                                       |  |
| 131                                  | 5 seconds                             | 25 seconds                                   |
|                                      |                                       |  |
| 140                                  | 2 seconds                             | 5 seconds                                    |
|                                      |                                       |  |
| 149                                  | 1 second                              | 2 seconds                                    |
|                                      |                                       |  |
| 158                                  | -                                     | 1 second                                     |

