# *Indiana State Department of Health*
# *Environmental Health*

## DECREASE CHLORINE FORMULAS

**Step 1:** Determine the ppm change (decrease):

**Current ppm – Desired ppm = ppm change**
**Example: Current ppm (20) – Desired ppm (1.0) = ppm change (19)**

**Step 2:** Determine chemical to use to lower the chlorine, plug in ppm change and use the following formula:

- **Sodium Sulfite .2 x ppm change x pool volume /10,000 = pounds**

- **Sodium Thiosulfate .0625 x ppm change x pool volume /10,000 = pounds (solid)**
- **Sodium thiosulfate 1x ppm change x pool volume /10,000 = ounces (liquid)**

**Example:** 200,000 gallon pool has 20 ppm Chlorine. Sodium thiosulfate will be used to decrease the chlorine level to 1.0

**Current ppm (20) – Desired ppm (1.0) = ppm change 19**

**.0625 x 19 x 200,000 /10,000 = 23.75 pounds**