

## **Industrial Arts Building**

I tested for ozone at the Industrial Arts building over the break. The HVAC system was in the Occupied mode which allowed the system to run as a normal day. The meter takes readings every 4 minutes, and 6-7 readings were taken in 3 different locations inside and outside of the building. On the first day with the ionizers off no ozone was detected on the inside of the building. Outside the meter detected ozone at levels from 0.003-0.009 ppm. The next day, with the ionizers on, the meter detected an ozone level of 0.003 ppm on the first reading of the morning and 0.001 ppm for the second reading. The rest of the readings did not detect any ozone. Even placing the meter inches from the ionizer in the air handler did not produce any positive ozone readings. Readings from the outside on the second day ranged from 0.006-0.008 ppm

EPA Standards for ozone exposure during an eight hour day is 0.070 ppm.

OSHA Standards for ozone exposure during an eight hour day:

- 0.10 ppm performing lite work for eight hours

- 0.08 ppm performing medium work for eight hours

- 0.05 ppm performing heavy work for eight hours