

## HEALTH IMPACTS: PARTICULATE MATTER & OZONE

### PARTICULATE MATTER

Particulate matter (PM10 & PM2.5) is made up of air pollutant particles, either emitted directly or as byproducts from a chemical process. These particles come from a variety of sources, such as factories, automobiles, construction vehicles, wood burning, and agriculture sites.

### GROUND-LEVEL OZONE

Ground-level ozone (O3) is formed from a chemical reaction between oxides of nitrogen and volatile organic compounds that are emitted from car exhaust, paint, aerosol products, and manufacturing facilities.



Both particulate matter and ozone are leading contributors to air pollution. Air pollution can affect more than just the lungs; it can be a significant factor of many health issues, including

**\*3 OF THE 5  
LEADING CAUSES  
OF DEATH IN NC**

**\*STROKE**  
ANXIETY, DEPRESSION,  
& OTHER MENTAL  
HEALTH ISSUES

**\*CHRONIC LOWER  
RESPIRATORY DISEASE**  
SHORTNESS OF  
BREATH, ASTHMA,  
COPD, RESPIRATORY  
ILLNESSES, WHEEZING &  
COUGHING

**\*HEART DISEASE**

DIABETES &  
OBESITY

LOW BIRTH WEIGHT,  
PREMATURE BIRTHS, &  
MISCARRIAGE

