



## Criteria Air Pollutants Emissions Data for New Hanover County (2007) and Titan Cement (Note: There are 100 Counties in NC)

Pollutant	2007 amount/rank	Titan's amount*/ Change in rank	% Increase from Titan
Carbon Monoxide	12,156 tons/year / 1	3,068 tons/yr / stay 1	25 % Increase
Nitrogen Oxide	7,170 tons/year / 4	2,138 tons/yr / move to 2	30 % Increase
Volatile Organic Compounds	2,370 tons/yr / 4	175 tons/yr / move to 4	7 % Increase
Sulfur Dioxide	26,055 tons/yr / 5	1,456 tons/yr / stays 5	6 % Increase
Particulate Matter (2.5)	782 tons/yr / 6	348 tons/yr / stays 6	45 % Increase
Particulate Matter (10)	1,328 tons/yr / 6	527 tons/yr / move to 5	40 % Increase
Particulate Matter (TSP)	1,790 tons/year / 8	662 tons/yr / move to 5	37 % Increase

**Comments:** EPA classifies the above pollutants as “criteria pollutants.” Criteria pollutants are responsible for many adverse effects on human health, causing thousands of cases of premature mortality and tens of thousands of emergency room visits annually. They also cause acid rain and can significantly harm ecosystems and the environment. NO<sub>x</sub> and VOCs are the major contributing pollutants to the formation of ozone. New Hanover County already has the 4<sup>th</sup> highest emissions for these pollutants. **About the Data:** New Hanover County emissions data was obtained from Toxic Release Inventory (TRI) Data for 2007. Titan’s emission data was obtained from Titan’s draft air permit (issued 9/11/09) under review by NC Division of Air Quality. The change in rank from Titan’s emissions assumes 2007 TRI data remains constant when added to Titan’s emissions. The percent change is the increased amount that Titan’s emissions will add to New Hanover County’s existing emissions.