



## Why Stop Titan Cement?

Based on Titan's draft air permit application, the proposed cement plant (called Carolinas Cement Company) would:

- Create one of the largest sources of air pollution in our area for the next 50 years.
- Be the 4<sup>th</sup> largest cement plant in the nation.
- Be the 5<sup>th</sup> highest mercury emitting facility in the state and the largest in southeastern NC. It would be the 11<sup>th</sup> highest mercury emitting cement plant in the nation. Mercury is a potent neurotoxin that causes disabilities in children, infants, and the unborn. New Hanover County already has the 6<sup>th</sup> highest mercury emissions in the state. Titan's plant would move us to 3<sup>rd</sup>.
- Be a significant emitter of nitrogen dioxide (contributes to smog and ozone) and sulfur dioxide (contributes to acid rain). Smog and ozone increase health risks to humans.
- Expose an estimated 8,700 students enrolled within 5 miles of Titan's property to pollutants known to cause increased rates of asthma and other respiratory illnesses. Titan's plant and mine would be approximately 1.6 miles from New Hanover County's newest K-12 campus.
- Emit nearly 700 tons of particulate matter each year, a substance that contributes to tens of thousands of premature deaths annually from heart attacks, strokes, and asthma attacks. Children are especially vulnerable. North Carolina already has a higher than average rate of childhood asthma.
- Create a 1200-acre mine, 70-feet deep that would destroy over 1000 acres of irreplaceable wetlands, wildlife habitat and harm critical surface and ground water within the NE Cape Fear River ecosystem.
- Withdraw millions of gallons of water from the Castle Hayne and Pee Dee aquifers, lowering the water table and risking contamination of a major source of our drinking water.
- Increase North Carolina's carbon dioxide emissions, a major cause of global warming. North Carolina currently emits nearly the same amount of CO<sub>2</sub> as California with one-fourth the population. Cement plants emit 5% of human-caused CO<sub>2</sub> emissions worldwide.
- Increase the risk of unregulated toxic emissions. Eighty percent of U.S. cement plants had compliance violations over the last five years. Titan has had numerous violations at their plants in Florida and Virginia, including excessive fugitive emissions and reporting violations.
- Add an additional 137,536 large dump trucks to our roads each year (approximately 376 trucks/day).
- Produce more than ten times the amount of cement this area used per year between 2003-2007. Seven cement plants are within 400 miles of Wilmington, including one within 250 miles.