Responding to Community Concerns about Vapor Intrusion in Winston-Salem, NC

Leveraging the NIEHS-supported Superfund Research Program Network

Kathleen Gray, MSPH Research Translation Core Leader UNC Superfund Research Program 10-20-15

UNC Superfund Research Program

Funded by NIEHS (P42ES005948)

Biomedical projects

- Toxicity caused by oxidative stress (PCBs, formaldehyde)
- Metabolism of TCE
- Prenatal exposures to toxic metals
- Environmental science projects
 - Bioremediation of PAH-contaminated soil
 - Passive sampling devices to monitor chemicals in water & sediment



It's a small world after all...



Capital project reveals contamination to public



You are here: Home > Education

Hanes-Lowrance Parents & Students Fired Up After Being Kept in the Dark About Toxic Waste Under Their School

January 29, 2015 4:09 am - 10 comments

Views: 7026

By Chad Nance, Carissa Joines, & Michael Wiseman

"I haven't heard on articulate answer this evening." - A Hanes Magnet Middle parent

"When you threaten me with an attorney, I can say less." - WS/FC County Superintendent of Schools Dr. Beverly Emory

"It is not prudent to play with people's health." - Rohan Kapileshwari, current student, Hanes Magnet Middle

Young Rohan stood straight and confident as he asked the Superintendent of Schools, Dr. Beverly Emory, a simple question. A question so straightforward and blunt that only a child could have asked it. "Would you play with fire?" Rohan never got an answer from the adults, but there is no doubt that the WS/FC School Administration and School Board have been playing with fire for some time by staying quiet as student after student passed through the doors of Hanes Magnet and Lowrance Middle School – a facility that the entire community now knows is built on too of one











Posted: Saturday, January 24, 2015 9:37 pm

Bertrand M. Gutierrez and Arika Herron/Winston-Salem Journal

As students walk up to Hanes and Lowrance middle schools in northern Winston-Salem, a loud buzzing noise follows them to the front door of the building. It's the sound of a very strong pump, part of a \$665,000 project financed by a manufacturer across the street to

Data show plume migrating beneath school property

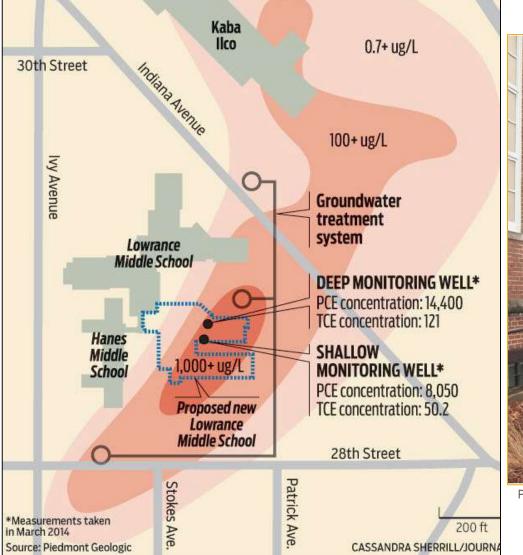
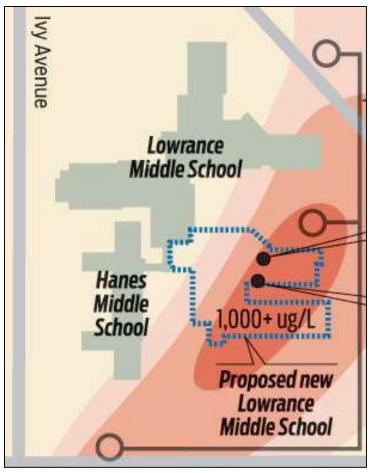




Photo credit: Lenny Siegel

Let's take a closer look at the Hanes-Lowrance schools



Credit: Cassandra Sherrill, Winston-Salem Journal

Lowrance Middle

- 125 students
- Profound disabilities
- ~58% subsidized lunches

Hanes Middle

- 1,049 students
- STEM magnet
- Highly academically gifted
 & "multiple abilities"
- ~28% subsidized lunches

I get by with a little help from my friends...



All in a day's work...



Toxic Legacy

Experts: Testing should have been done yearly at Lowrance, Hanes



Posted: Monday, February 9, 2015 11:12 pm

Previous Next



School officials should consider installing pre-emptive vapor-mitigation systems at Hanes and Lowrance middle schools, airpollution experts said Monday during a series of meetings with parents and school

Arika Herron and Bertrand M. Gutierrez/Winston-Salem Journal 12pm: meet w-school sampling consultant
1pm: radio interview
2pm: media session
3pm: school site visit
4pm: school board briefing
6:30pm: community meeting



What happened?



ENTER TO WIN APP STATE BASKETBALL TICKETS!

Toxic Legacy

School board votes to close Lowrance, Hanes middle schools by March 2

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Previous Next



Andrew Dye/Journal

The Winston-Salem/Forsyth County Board of Education votes 7-2 to close Hanes and Lowrance middle schools by March 2. Voting in favor were school board members: Mark Johnson, Vio Johnson, Robert Barr and Dearna Taylor jolned by Vioe Chair Jeannie Metoart and Chair Dana Caudiil Jones. Voting against were school board members David Singlefary and Elisabeth Motsinger. Posted: Tuesday, February 10, 2015 9:26 pm

· Sharo

Journal staff report

The Winston-Salem/Forsyth County Board of Education voted 7-2 Tuesday night to close Hanes and Lowrance middle schools by March 2 and move the students to other schools.

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Under the plan, Hanes sixth-graders will go to Smith Farm Elementary School and Hanes seventh- and eighth-graders will go to the former Hill Middle School.

Lowrance students will go to Atkins High School.

What do you think about the board's decision to close the schools?



Photo credit: Lenny Siegel

What's next?



Additional sampling, risk analysis, engaging impacted community

Thanks to Kelly Pennell, UK SRP and Lenny Siegel, CPEO for their technical expertise and leadership and to NIEHS and USEPA for their support.



Questions?

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