



South Carolina Department of Health  
and Environmental Control

State Superfund Program

**NYTRONICS COMPONENTS GROUP  
INC. STATE SUPERFUND SITE**  
700 Orange Street, Darlington, SC

## **FACT SHEET**

### **Removal Activities**

May, 2008

## **DHEC's Removal Activities**

Vishay GSI, Inc. (VGSI), with the oversight of the South Carolina Department of Health & Environmental Control ("DHEC" or the "Department"), has been investigating environmental contamination at the former Nytronics Components Group, Inc. and the former MSD, Inc. facility located at 700 Orange Street, in Darlington, SC (the "Site") (Figure 1). The Department recently completed an evaluation of VGSI's proposal to remove contaminated material from the storm water sewer system as well as sediment in the western drainage ditch. VGSI's proposal also includes the demolition of the building structures in order to remove contaminated portions of the structures and to safely access contaminated material beneath the structures.

VGSI expects to begin the removal in May 2008. Other contamination, such as soil and groundwater, is currently being evaluated by VGSI and DHEC and will be addressed in the future as part of a site-wide cleanup effort.

### **Investigation Activities**

- ◆ **2000:** VGSI, the successor of General Instrument, entered into responsible party voluntary cleanup contract number 99-5124-RP with DHEC to conduct a Baseline Human Health Risk Assessment, an Ecological Risk Evaluation, and a Feasibility Study (FS).
- ◆ **2005:** Phase I Focus Feasibility Study (FFS) report provided to the Department, but additional assessment work was needed.
- ◆ **2006:** Phase II FFS investigation plan approved by the Department.
- ◆ **2007:** Phase II FFS report proposed, among other things, to divide the Site into operable units and conduct some removal activities while other assessment activities are being completed. The Department accepted this proposal.
- ◆ **2008:** Interim Removal Measures Work Plan to address drainage ditch, storm sewers, and building received and approved by the Department.

### **Areas of Concern**

The Site property contains a four-story, main manufacturing building of over 205,000 square feet, a smaller etch shop to the north of the manufacturing building, and a water reservoir, which was available in case of fire during facility operations. A second reservoir on the facility property has been filled in. The Site has storm sewers that empty into the western drainage ditch, which empties into Swift Creek. See attached site map Figure 1.

As with most textile and manufacturing plants operating prior to the 1960s, solvents were used to clean electronic components, parts and machinery. The main contaminants detected at the Site are: perchloroethylene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (TCA), of which all are volatile organic compounds (VOCs), and polychlorinated biphenyls (PCBs).

<p style="text-align: center;"><b>DHEC's Contact Persons:</b></p> <p><b>Judy Canova</b> Project Manager/ Hydrogeologist 803-896-4046 canovajl@dhec.sc.gov</p> <p><b>Keisha D. Long</b> Engineer 803-896-4872 Longkd@dhec.sc.gov</p> <p><b>R. Gary Stewart</b> Section Manager State Remediation 803-896-4054</p> <p><b>Tim Hornosky</b> Section Manager Superfund Hydrogeology 803-896-4014</p> <p><b>Pat Vincent</b> Community Information Coordinator 803-896-4074 vincenpl@dhec.sc.gov</p> <p style="text-align: center;"><b>DHEC-Region 4</b> 145 E Cheves St Florence, SC 29506-2526 843-661-4825</p> <p>Region Contacts: <b>Buck Graham</b> <b>Jason Lambert</b></p>	<p style="text-align: center;"><i>Areas of Concern (continued from page 1)</i></p> <p>The etch building was used for storage of solvents, capacitor oils and waxes, and PCB oil. Chlorinated solvents and PCBs were identified in soil and groundwater on the Site property and in the drainage ditch which is within a railroad right-of-way. Sediment in numerous sumps, storm sewer lines, and the drainage ditch were sampled and found to contain VOCs and PCBs. Pesticides were also detected in a sump. VOCs and PCBs have also been identified in the sediment in Swift Creek but not in the surface water. As part of the investigation, 27 monitoring wells were installed on the facility's property and the surrounding area. The Department is unaware of any residential drinking wells near the Site.</p> <p style="text-align: center;"><b>Site Management: Addressing Contaminated Areas Separately</b></p> <p>Based on the investigation, the Site was divided into three areas of concern, or three operable units ("OU"). OU1 includes soil, onsite sewer systems, and the western drainage ditch. OU2 includes groundwater and OU3 includes Swift Creek and associated wetlands.</p> <p>The upcoming removal activities focus on parts of OU1 in which the investigation is complete. The proposed removal activities will include: the removal of the contaminated sediment and soil from the western drainage ditch, the removal of the main and smaller building structures from the Site, and the excavation of the sumps and storm sewer lines. The removal activities will started on or around May 5, 2008.</p> <p style="text-align: center;"><b>Remaining Contaminated Areas</b></p> <p>The extent of soil contamination (part of OU1) and the groundwater (OU2) has been evaluated. VGSI will evaluate alternatives to cleanup the soil and groundwater and will provide a Feasibility Study that evaluates cleanup alternatives. The Department's proposed cleanup alternative for these areas will be presented to the community at a later date.</p>
<p>OU3 requires additional work in order to determine the extent of the contamination in the wetlands area and within Swift Creek. After the investigation is completed for OU3, VGSI will prepare a Focused Feasibility Study for OU3. An ecological risk assessment in the wetlands area will be performed to help identify the appropriate cleanup of the sediment contamination. If necessary, once the OU3 studies are completed, a cleanup plan will be developed and the plan will be presented to the community at that time.</p>	

<h3>Soil Cleanup Goals</h3> <p>To establish soil cleanup goals, the Department considers the United States Environmental Protection Agency's (USEPA) Region IX Preliminary Remediation Goals (PRGs) for direct contact/ingestion as well as USEPA's soil screening levels (SSLs).</p>	<h3>Removal Soil Cleanup Goals for Main Contaminants</h3> <p>PCE: 14 ppb  TCE: 14 ppb  1,1,1-TCA: 470 ppb  PCBs: 1 ppm  (soil outside fence)</p> <p><i>ppm: parts per million</i>  <i>ppb: parts per billion</i></p>
---	--

### How Can One Come in Contact with Site Contamination?

- Persons who walk between the railroad tracks and the facility's fence line on the western side and who physically got down into the drainage ditch could potentially come in contact with contaminated sediment or soil.
- Persons who waded in Swift Creek right next to the property could potentially come in contact with contaminated sediment.
- Persons who climb the fence and enter the facility's property could potentially come in contact with contaminated soil and sediment.
- Persons who climb the fence and enter the facility's property and stand next to the open sumps could potentially breathe vapors from the chemicals in the sumps.
- Persons who dig into the water table at the Site or sample water from an on-site monitoring well could come in contact with contaminated groundwater.

The Department is not aware of any drinking water wells in the area around the Site. **If you are aware of any drinking water wells or irrigation wells near the Site, please let Judy Canova with DHEC know.**

Based on the current conditions, DHEC does not believe that anyone is being exposed to Site contamination. Overall, if persons stay outside the facility's fence line and do not enter the drainage ditch to the west of the property, or an area of Swift Creek on the western side of the Site property, contact with any of the Site contaminants should not occur.

Please note, however, when the employees of VGSI's environmental contractor are physically performing the removal activities, these persons may, at times, be wearing protective clothing and other gear because on-site workers will have the potential to be in direct contact with contaminated Site materials. Further, large trucks will be hauling the materials from the Site for proper disposal. **The contractors will follow the February 21, 2008, Health and Safety Plan to insure that the on-site workers and community members will not be at risk during the removal activities.**

### Questions about the Site?

If you have any questions or if you feel any of the information provided is not clear, please contact or write the Department's Project Manager, Judy Canova. The Department's goal is to share important information with you and help you understand the environmental activities occurring in your community. Your concerns about these activities are important to us.

The Department will post Site information on its website at [http://www.dhec.sc.gov/environment/lwm/HTML/superfund\\_info.htm](http://www.dhec.sc.gov/environment/lwm/HTML/superfund_info.htm).

