

SOIL VAPOR EXTRACTION SYSTEM SUCCESSFULLY OPERATING

The Soil Vapor Extraction (SVE) system continues to clean up soils at the Kuhlman Electric Corporation, with tests showing that chemicals are being removed from the beneath the plant in a safe manner. Kuhlman regularly monitors the equipment to ensure that all safety standards are adhered to. Indoor air monitoring is also conducted regularly during the SVE system operation. All reports have shown indoor air quality meeting regulatory standards.

The SVE system uses minimal aboveground equipment to collect and remove contamination from below the plant floor. It is an excellent system to treat large areas as it can be implemented with minimal site disturbance, and plant operations can continue without hindrance. Employees of the plant can continue to work safely during the operation of the system.

NEW PUBLIC WATER SUPPLY WELL SITES BEING EVALUATED

Agreements for testing of potential new public water supply well sites were presented to the Board of Aldermen on October 7, 2014 and approved.

Kuhlman has been working closely with the City of Crystal Springs to identify ways to supply an alternate drinking water source if it should become necessary in the future. One option would be to install new public water supply wells. Potential well locations first must be tested to confirm that water is present and that the water quality meets state standards. Kuhlman hopes to start this testing before the end of 2014.

SEMI-ANNUAL MONITOR WELL SAMPLING AND CITY WELL SAMPLING COMPLETED FOR THIS QUARTER

We continue to sample the monitor wells and city wells. Monitoring reports are submitted to the Mississippi Department of Environmental Quality and are available on their website. All city well data for the current quarter indicates City water continues to meet drinking water standards.

UPCOMING EVENTS

- Groundwater Monitoring Event and Reporting.
- Continued operation of the full scale Soil Vapor Extraction system.
- Testing of potential new public water supply sites.

PUBLIC DOCUMENTS REPOSITORY

Public documents referenced in the Newsletter are available at:

- Crystal Springs Library; and
- www.mdeq.state.ms.us.

QUESTIONS OR COMMENTS

Please submit all questions or comments to Kuhlman at crystalspringsinfo@us.abb.com or Brenda Bell Caffee of Caffee, Caffee and Associates at 601-336-7212.

FREQUENTLY ASKED QUESTIONS

Each quarter we will include one or more questions that were presented over the past year.

Question: How will the chemicals trapped in the soil act with the chemicals being pulled up?

Answer: The chemicals in the soil are the same as the chemicals that are present in the groundwater and vapor. The only change that will occur as a result of removing them with the SVE system is that their concentrations will be reduced.

Question: What if the carbon filter becomes stopped up? Is there a filter replacement on hand and will the filters be checked often to make sure they are not stopped up? Some chemicals, like the ones being sucked out, clog up a filter very fast?

Answer: The system will be monitored regularly to avoid this situation. However, if a carbon filter were to become stopped up, the system will shut down. Similar to an equipment failure, the levels of chemicals present will decrease at a slower rate until the carbon filters are replaced and the system is turned back on.

Question: The SVE test mentioned in the newsletter does not actually remove the chemicals from the soil. It just removes the vapors. What will be done to remove the chemicals from the soil?

Answer: The chemicals in the soil prefer to be in vapor form. Over time, these chemicals in the soil will change to the vapor form, similar to the way rubbing alcohol evaporates when spilled on a countertop. These chemicals will therefore be removed over time as vapors are removed by the SVE system. This process will be repeated until levels of chemicals in the soil and vapor are below clean-up standards approved by the MDEQ.

Question: What is the backup plan if the equipment fails? Is there backup equipment on site if this happened?

Answer: If the equipment stops working, conditions will return to their current state. There will be no increase in chemical levels or changes in worker safety.