

FACT SHEET
PROPOSED OPERATING PERMIT
PROPOSED FINAL REMEDY SELECTION

Safety-Kleen Saint Pauls
934 North Fifth Street
Saint Pauls, NC 28384
EPA ID Number: NCD 980 846 935

A draft Hazardous Waste Management Permit (permit) has been prepared for Safety-Kleen Saint Pauls. The draft permit will allow Safety-Kleen to store hazardous waste at the facility under the Federal Resource Conservation and Recovery Act (RCRA) and shall include a final remedy. The final remedy shall be documented in Part VIII, Section M of the renewed permit and will allow Safety-Kleen to conduct environmental remediation as described in the Corrective Measures Study Addendum dated March 1, 2019.

North Carolina is authorized by the United States Environmental Protection Agency to administer RCRA including the Hazardous and Solid Waste Amendments (HSWA) of 1984. The State has determined that Safety-Kleen Saint Pauls' proposed activities, as identified in the permit application and Corrective Measures Study, satisfy the full intent of the North Carolina Hazardous Waste Management Rules and Solid Waste Management Act, as amended. When finalized, this draft permit and final remedy issued by the State of North Carolina will constitute a complete permit under the Federal Resource Conservation and Recovery Act.

Background

Safety-Kleen Systems, Incorporated currently operates a hazardous waste storage facility at 934 North 5th Street in Saint Pauls, Robeson County, North Carolina (34.821°, -78.976°). The facility performs collection, replacement, accumulation and storage of spent mineral spirits, immersion cleaner, paint waste, and dry-cleaning wastes as a service to industrial maintenance, automotive repair and dry-cleaning businesses. RCRA-permitted areas to be covered under the renewal permit include a non-ignitable container storage area; a flammable waste storage area; one, 15,000-gallon aboveground storage tank; and, two dumpster/drum washer units located in the Return & Fill Station.

In 2009, Safety-Kleen reported a spill of used mineral spirits at the Return and Fill Station. The Return & Fill Station is a stand-alone steel structure where used mineral spirits are transferred from drums to a dumpster-like unit and then pumped to an aboveground storage tank. A small amount of product overflowed the secondary containment structure, impacting the soil in two areas adjacent to the Return & Fill Station. Impacted soil was excavated and disposed of off-site.

North Carolina Department of Environmental Quality personnel collected soil samples. Results from this sampling event indicated that additional impacted soil was present at the base of the excavation and extending under the Return & Fill Station. A second round of soil excavation and sampling was performed. Over 20 tons of impacted soil were removed from the site. Tetrachloroethene (PCE) remained present in the soil at concentrations exceeding the North Carolina Preliminary Soil Remediation Goals (PSRGs) for protection of groundwater. Additionally, multiple rounds of groundwater sampling have indicated that concentrations of volatile organic compounds (VOCs) are present in groundwater exceeding the North Carolina 2L Standards.

Final Remedy

The final remedy proposed for Safety-Kleen Saint Pauls is described in the Corrective Measures Study Addendum dated March 2019 and includes the following:

Groundwater

Remaining groundwater contaminants are very close to the North Carolina 2L standards. The final remedy for groundwater shall consist of injecting sodium persulfate activated with calcium peroxide at twenty-one locations selected to cover the current plume extent and account for possible future fluctuations of groundwater contaminant concentrations.

Soil

To address residual PCE contamination in the soil under the Return & Fill Station, two angled, permanent injection wells will be installed below the building. Sodium permanganate will be injected. The angled wells will remain in place in case additional chemical injections are needed in the future.

Pre- and Post-Injection Monitoring

Seven existing monitoring wells shall be sampled prior to remediation, three months after injection and semiannually thereafter. Semiannual groundwater monitoring will continue until contaminant concentrations remain below regulatory standards for three consecutive years or a risk-based closure is pursued by the facility.

Soil samples will be collected in the approximate location of previous impacted soil. If the results indicated contaminant concentrations above regulatory standards, an additional chemical injection will be performed using the permanent, angled injection wells.

Post-injection monitoring reports shall be submitted by the facility semiannually.

Public Comment & Public Hearing

The North Carolina Hazardous Waste Management Rules require that the public be given a forty-five (45) day period to comment on the draft permit and final remedy. This forty-five (45) day period will commence on Monday, August 19, 2019. The draft permit, Corrective Measures Study and all data submitted by the applicant are located in the Administrative Record, which is available for review online at <https://deq.nc.gov/about/divisions/waste-management/laserfiche> using the EPA ID Number NCD980846935.

A public hearing will be held at 12:00 PM (noon) on Tuesday, September 17, 2019, at St. Pauls Town Hall, Town Council Chambers, 210 West Blue Street, St. Pauls, North Carolina. All attendees will have the opportunity to present five-minute oral statements regarding the proposed permit modification and/or submit written comments at the public hearing.

The public may also submit written comments at any time during the forty-five-day public comment period, which begins Monday, August 19, 2019 and ends Thursday, October 3, 2019. Persons wishing to comment on the proposed permit and final remedy or to object to the permit issuance and/or final remedy

selection should submit comments to:

Ms. Julie S. Woosley, Chief
North Carolina Division of Waste Management
Hazardous Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

All comments received during the public comment period or at the public hearing will be considered in the final permit decision and remedy selection. Comments received after the public comment period end date will not be considered. When a final permit decision is made to either issue or deny the permit and accept the final remedy selection, notice will be given to the applicant and to each person who submitted written comments or requested notice of the final decision.

Anyone desiring additional information may contact Caroline Bari at (919) 707-8325, caroline.bari@ncdenr.gov or the address listed above.