

FACT SHEET
RISK-BASED REMEDIATION
PROPOSED TERMINATION OF ADMINISTRATIVE ORDER IN LIEU OF POST-CLOSURE PERMIT

Transcontinental Gas Pipe Line Compressor Station 150
236 Transco Road
Mooresville, Iredell County, North Carolina
EPA ID: NCD 981 863 012

Transcontinental Gas Pipe Line Compressor Station 150 (“Transco Station 150”) requested a modification to the Administrative Order in Lieu of Post-Closure Permit (“Administrative Order”) under the Resource Conservation and Recovery Act (RCRA) for the facility located at 236 Transco Road in Mooresville, Iredell County, North Carolina. Specifically, Transco Station 150 requested a Class 3 permit modification to (1) remediate groundwater to risk-based remediation goals; (2) reduce the post-closure period; and (3) terminate the Administrative Order. This request is supported by the findings contained in the *Remedial Action Plan* submitted by Transco Station 150 pursuant to N.C.G.S. § 130A-310.65 through 310.77.

North Carolina has been 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 Transco Station 150’s actions as described in the *Remedial Action Plan* satisfy the full intent of the North Carolina Hazardous Waste Management Rules and Solid Waste Management Act as amended. When all actions are complete, the Administrative Order will be terminated as a Class 3 permit modification under RCRA.

Background

Transco Station 150 has operated since 1949 as a natural gas compressor station. During historical Station operations, waste liquids were generated and placed in two onsite pits. One pit operated from 1950 to 1986 for the management of natural gas condensate and hydrocarbon liquids. A second pit was operated from approximately 1950 to 1953 to manage used lubricating oils.

Petroleum liquids that were discharged to the two pits contained compounds such as benzene and naphthalene. These compounds were originally measured in groundwater at Compressor Station 150 at concentrations exceeding North Carolina Subtitle 02L Groundwater Standards. These compounds have not been detected in groundwater at concentrations exceeding laboratory practical quantitation limits since December 2003

Groundwater quality has been monitored at the facility since 1988. Iron and manganese are the only constituents measured in groundwater at concentrations consistently above groundwater quality standards in monitoring wells located near two of the former pits.

Iron and manganese were not used at the site as part of site operations. The exceedance of iron and manganese at Compressor Station 150 is attributed to mobilization of naturally-occurring iron and manganese in the soil, saprolite, and bedrock due to reducing geochemical conditions near and downgradient of the former pits as a result of biodegradation of the petroleum compounds placed in the former pits. The zone of reducing conditions is localized near the former pits and the mobility of iron and manganese in groundwater is limited to the area within 100 feet or less from the former pits. Because the zone of reducing conditions is not mobile, there is no potential for future migration of iron and manganese beyond its current extent.

Impacted groundwater has not, and is not expected to, migrate off site. The presence of elevated concentrations of iron and manganese in groundwater, which is currently confined to the area in close proximity to the former pits, poses no health risk to current or future receptors and the extent of impacted groundwater is not expected to expand over time. Public water supply is available for nearby water users.

Perpetual land use restrictions (LURs) were placed on the site in 2016 as part of the Administrative Order for the site. These LURs protect against a potential future pathway for human exposure by eliminating exposure to onsite workers who may perform excavation and earthwork in the immediate area of the former pits. The existing LURs adequately protect from future exposure to site contaminants.

The facility is actively pursuing no further action through risk-based remediation pursuant to North Carolina Session Law 2015-286 which amended N.C.G.S. 130A, Part 8 of Article 9 of Chapter 130A of the North Carolina General

Statutes (130A-310.65 through 310.77). Site conditions are consistent with Risk-Based Closure requirements.

Public Participation

The North Carolina Hazardous Waste Management Rules require that the public be given a forty-five (45) day period to comment on shortening of the post-closure care period and termination of the Administrative Order. This forty-five (45) day period will commence on Wednesday, September 13, 2023, and end on Saturday, October 28, 2023.

A Public Hearing will be held on Friday, October 13, at 11:00 am, at the South Iredell Fire-Rescue, located at 651 Brumley Road in Mooresville, North Carolina. All participants will have the opportunity to present five (5) minute oral statements regarding shortening the post-closure care period and terminating the Administrative Order and/or to submit written comments and data. Written comments can also be sent at any time during the forty-five (45) day public comment period. Comments may be mailed or emailed to the following address:

Adam Ulishney, Hazardous Waste Section Chief
Division of Waste Management, NCDEQ
MSC 1646
Raleigh, North Carolina 27699-1646
Adam.Ulishney@deq.nc.gov.

All data submitted by the applicant is part of the administrative record and available for review at <https://deq.nc.gov/about/divisions/waste-management/laserfiche>. Documents can be searched using the EPA ID Number: *981863012. The Administrative Order, draft Remedial Action Plan, and Factsheet can also be found online at the following location: <https://deq.nc.gov/news/events/public-notices-hearings>.

All comments received during the public comment period or at the public hearing will be considered in the final decision to terminate the Administrative Order. Comments received after the public comment period ends on October 28, 2023, will not be considered. When the final decision is made, notice will be given to the applicant and to each person who has submitted written comments or requested notice of the final decision.

Anyone desiring additional information may contact Mary Siedlecki at 981-269-2463 or mary.siedlecki@deq.nc.gov or at the mailing address listed above.