

D

Appendix D

National Pollutant Discharge Elimination System Noncompliance Summaries for 2024

D.1. East Tennessee Technology Park

In 2024, the East Tennessee Technology Park program was 100 percent compliant with the numerical permit limits. ETTP's NPDES storm water permit in effect during 2024 (TN0002950) was issued on February 4, 2022, and became effective on April 1, 2022. Compliance was determined by field measurements, flow estimates, and more than 110 laboratory analyses.

D.2. Y-12 National Security Complex

In 2024, the Y-12 National Security Complex was 100 percent compliant with the NPDES permit limits. Approximately 4,200 data points were obtained from sampling required by the NPDES permit. Y-12's NPDES permit (TN0002968) was issued on August 5, 2022, and became effective on October 1, 2022. The new permit is currently under appeal in part, and settlement negotiations are ongoing.

On July 17, 2024, a Notice of Violation was received from TDEC for a fish kill resulting from a potable water line break on June 20, 2024.

On October 1, 2024, a fish kill occurred when controlled low-strength material (concrete mix) from UCOR pre-demolition activities entered East Fork Poplar Creek through an abandoned drain line from the basement of Building 9201-02. The discharge resulted in high turbidity, elevated pH and the death of approximately 1,300 fish and other aquatic organisms.

D.3. Oak Ridge National Laboratory

In 2024, compliance with the Oak Ridge National Laboratory NPDES permit was determined by field measurements and 1,736 laboratory analyses. ORNL wastewater treatment facilities achieved a numeric

permit compliance rate of 100 percent in 2024. The Carbon Fiber Technology Facility also achieved 100 percent compliance with the UT-Battelle City of Oak Ridge Industrial and Commercial User Discharge Pre-Treatment Permit in 2024. In May 2019, TDEC issued a renewed NPDES permit for ORNL. Several conditions in the permit were appealed, and others were addressed in permit modifications issued in December 2022

and February 2023. Another minor modification was scheduled to become effective on March 1, 2023; however, some conditions were appealed and remained unresolved in 2024. An NPDES permit renewal application was submitted to TDEC in June 2023. Until a new permit is issued, the February 2023 permit (which expired December 31, 2023) has been administratively extended.