

# D

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## Appendix D

### National Pollutant Discharge Elimination System Noncompliance Summaries for 2021

#### D.1. East Tennessee Technology Park

The East Tennessee Technology Park program was 100 percent compliant with the numerical permit limits during 2021. The current ETPP National Pollution Discharge Elimination System (NPDES) permit was effective on February 1, 2015, and was set to expire March 31, 2020. The permit renewal application was submitted to Tennessee Department of Environment and Conservation on September 18, 2019. The current permit will continue in effect until a new permit is issued by the state of Tennessee.

#### D.2. Y-12 National Security Complex

The Y-12 National Security Complex was 100 percent compliant with the NPDES permit limits in 2021. Approximately 2,500 data points were obtained from sampling required by the NPDES permit. An application for a new permit was prepared and submitted to TDEC in May 2016. The currently expired NPDES permit continues in effect until the new permit is issued by the state of Tennessee. Y-12 was issued a Notice a Violation for three fish kills caused by chlorinated water discharges, two oily sheens caused by construction activities and CERCLA remediation activities, and a cloudy discharge also caused by CERCLA remediation activities.

#### D.3. Oak Ridge National Laboratory

In 2021, compliance with the Oak Ridge National Laboratory NPDES permit was determined by approximately 1,736 laboratory analyses and field measurements. The NPDES permit limit compliance rate for all discharge points for 2021 was greater than 99 percent. Two numeric NPDES permit noncompliances were reported for ORNL treatment facilities. Also, in 2021, a water line break at ORNL caused aquatic species mortality (total of five crayfish) at White Oak Creek. This incident was reported as a noncompliance with narrative criteria in the permit. ORNL received a renewed NPDES permit in May 2019; however, several conditions in the permit were appealed and remained unresolved during 2021.