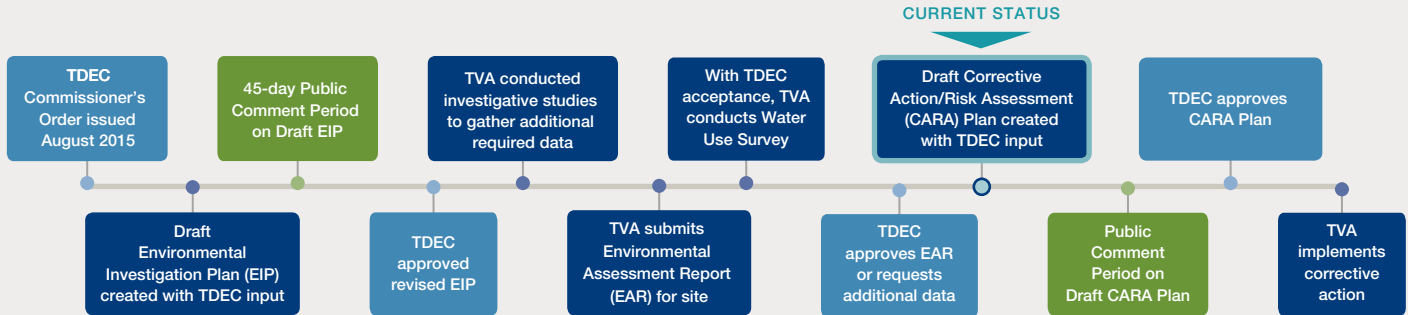


# TDEC Order Environmental Assessment



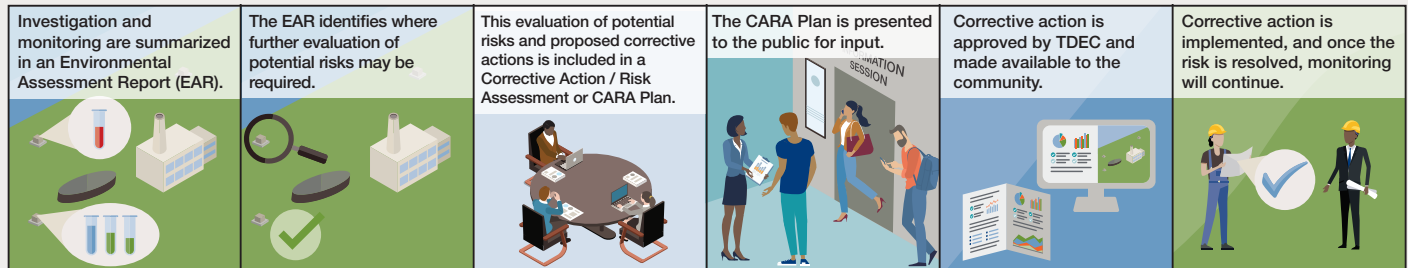
Tennessee Valley Authority (TVA) is conducting environmental studies under the oversight of the Tennessee Department of Environment and Conservation (TDEC) as directed by a Commissioner's Order (TDEC Order). The TDEC Order created a process by which Coal Combustion Residuals (CCR) management units would be assessed for unacceptable risks. It also provides the requirements for reducing these risks through corrective action. The steps for investigating CCR management units and for reducing unacceptable risks are shown below.



## What is the purpose of the assessment?

According to the TDEC Order, the objective of the assessment is to identify impacts to soil, surface water, and groundwater from TVA's management of coal ash in impoundments and landfills at its plant sites.


The assessment also includes evaluating the structural stability and integrity of the coal ash management unit.



# Bull Run Fossil Plant Assessment Demonstrates TVA's Responsible Management of Coal Ash



\* None of the surface stream water sample results in the Clinch River or Bullrun Creek were above approved levels.

 CCR Management Unit

## Key Findings

The ecological communities are healthy in the Clinch River and Bullrun Creek adjacent to and downstream of the CCR management units based on the results of the environmental assessment and other monitoring efforts.




Nearly all of the environmental sample results were well below the approved levels.

Additionally, current and historical CCR management associated with the Bull Run Plant have not affected water supply wells or springs located in the vicinity of the plant based on the results of the water use survey.

This means that TVA is managing its CCR units that is protective of the environment and surrounding community.

## Investigation and Monitoring Findings

These symbols illustrate the findings of the assessment and monitoring:

-  No action is needed.
-  Further evaluation is required in this area.
-  Corrective action is being evaluated for on-site groundwater along the perimeter of the unit in this area.

## Next Steps

With TDEC approval, TVA will use the findings from the environmental assessment to prepare and submit a corrective action plan and will specify all measures TVA plans to take to address unacceptable risk. This corrective action plan will be released for public comment.

TVA's efforts will continue until regulators are satisfied, and monitoring of groundwater will continue for many years.