

Public Notice - Tennessee Valley Authority (TVA)  
No Practicable Alternative for  
Proposed Groundwater Monitoring and Extraction Wells in the 100-Year Floodplain

January 11, 2021

Notice is hereby given that TVA is planning to install groundwater monitoring and extraction wells on the Cumberland Fossil Plant reservation, at about Wells Creek mile 2.5 in Stewart County, Tennessee. Represented in the figure by the yellow dot, one monitoring well would be located within the limits of the Wells Creek 100-year floodplain, and is therefore subject to analysis under Presidential Executive Order 11988, Floodplain Management. In order to appropriately extract and monitor impacted groundwater along the bank of Wells Creek, there is no practicable alternative to the installation of this monitoring well within the 100-year floodplain. All work will be completed in coordination with the Tennessee Department of Environmental Quality – Division of Solid Waste Management.

All practicable design measures to minimize harm to the floodplain have been identified by TVA. These measures include:

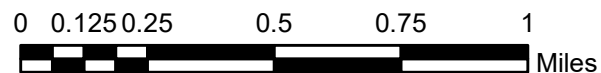
- Enclosing the extraction wells in water-tight vaults level with the ground surface, to prevent damage to the extraction pumps and related equipment
- Installing water-tight well caps on the monitoring wells, to prevent water infiltration in the wells
- Implementing standard erosion and sediment control best management practices during construction of the wells
- Ensuring construction of the wells complies with all applicable floodplain regulations

TVA has therefore concluded that the proposed project is consistent with Executive Order 11988 because














1. There is no practicable alternative to locating this well in the floodplain
2. The proposed project will be designed to minimize to the extent practicable harm to or within the floodplain
3. The proposed project would conform with applicable state and local floodplain protection standards
4. Identifiable impacts to the floodplain are negligible

Any party wishing to comment on the proposal should email comments to [ccwilliamson@tva.gov](mailto:ccwilliamson@tva.gov) no later than 14 calendar days from the date of this notice.

# Proposed Monitoring and Extraction Well in Floodplain



## Legend

-  proposed groundwater well
-  FIRM Panels
-  Cross-Sections
-  Other Boundaries
-  Limit Lines
-  SFHA / Flood Zone Boundary
-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee