

Groundwater Corrective Actions
Environmental Screening Checklist

Environmental Screening Checklist

The goal of this program is to meet groundwater regulatory standards at TVA properties through programmatically evaluating groundwater corrective actions. This Environmental Screening Checklist is used to collect project information to determine that proposed actions fall within the bounding parameters identified in Table 2-1 in the TVA Groundwater Corrective Action Programmatic Environmental Assessment (PEA).

A TVA NEPA Specialist/Environmental Program Manager will complete this environmental checklist well before construction activities are scheduled to begin in accordance with TVA's legal and policy requirements associated with this program. The NEPA Specialist and Environmental Program Manager will ensure that TVA Subject Matter Experts (SMEs) document input in ENTRAC for their respective resource categories for final environmental review and site approval.

TVA NEPA Specialist (name):

TVA Environmental Program Manager (name):

Proposed TVA Property Site Name/Address (or lat/long):

If the answer to any question below is *YES*, further review of environmental impacts by TVA may be required.

If TVA determines that the proposed project impacts sensitive resources beyond the bounded values assessed in the PEA associated with this checklist, the proposed project would be subject to a site-specific environmental review consistent with TVA NEPA procedures.

Corrective Action Attributes	
Which alternative has been selected? (Choose all that apply. If Alternative E, please select which alternatives will be combined.)	<input type="checkbox"/> Alternative B <input type="checkbox"/> Alternative C <input type="checkbox"/> Alternative D <input type="checkbox"/> Alternative E Please describe actions briefly:
Number of wells	Wells: Observation wells:
Maximum disturbance area (including laydown)	Project area acreage:
Volume of borrow material needed (CY)	

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Radius of Influence (ft) (Not applicable for MNA)	
Construction-Phase Attributes	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Will the duration of construction exceed 12 months?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Will the number of truck trips exceed the bounding parameter for the given corrective actions?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Will removal of trees with a trunk diameter greater than 3 inches at breast height be necessary? If so, how many trees or acres of trees will be cleared? _____ trees/acres
<input type="checkbox"/> Yes <input type="checkbox"/> No	Will development of the site require filling in, or alterations to, wetlands or streams, or streamside management zones?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Will development of the site result in impacts to caves or sinkholes?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Would there be greater than 1,500 CY of spoils generated?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Would solid waste generated during construction be greater than 3 CY total?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Would noise from heavy equipment exceed 85 decibels and/or reach sensitive receptors?
<input type="checkbox"/> Yes <input type="checkbox"/> No	Would any wells or laydown areas be constructed within 100-year floodplains as delineated on Federal Emergency Management Agency (FEMA) flood insurance rate maps and/or on contour maps showing known 100-year flood elevations?
Operational Characteristics	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Would solid waste generated be greater than 3 CY biweekly?
Reasonably Foreseeable Future Actions	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Are other actions underway or proposed that, when combined with potential effects of construction and operation of the proposed project, could have a notable collective effect on human health or the environment? If yes, please describe:
Bounding Parameters	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Do any values exceed the bounding parameters outlined in Table 2-1 in the PEA for each applicable alternative selected? If yes, please describe:

TVA subject matter experts reviewed the material presented in this checklist. Documentation of the review is attached.

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In accordance with the National Environmental Policy Act (NEPA) and TVA’s implementing regulations, TVA must evaluate and document whether the proposed action described within this document is already covered under an existing NEPA review. The following questions record the evaluation of four criteria for making this determination.

Determination of NEPA Adequacy	
<input type="checkbox"/> Yes <input type="checkbox"/> No	Is the site-specific proposed action bounded by the proposed action as analyzed in the TVA Groundwater Corrective Action PEA? If no, please describe:
<input type="checkbox"/> Yes <input type="checkbox"/> No	Are there significant circumstances or information relevant to site-specific environmental concerns that would substantially change the analysis in the TVA Groundwater Corrective Action PEA? If yes, describe:
<input type="checkbox"/> Yes <input type="checkbox"/> No	Are there effects that would result from the site-specific proposed action that were not addressed in the TVA Groundwater Corrective Action PEA? If yes, describe:
<input type="checkbox"/> Yes <input type="checkbox"/> No	Is additional site-specific NEPA necessary? If yes, explain:

Based on the evaluation documented herein, I conclude that the TVA Groundwater Corrective Action PEA and Finding of No Significant Impact (FONSI) fully covers the proposed site-specific action and constitutes TVA’s compliance with the requirements of NEPA. The site-specific project does not present significant changes to the proposed action or significant new circumstances or information relevant to environmental concerns that would require supplemental analysis. Impacts associated with the proposed action would be minor to moderate and are bound by the conclusions of the Final PEA and FONSI. This form documents TVA’s compliance with the National Environmental Policy Act for this site-specific action.

NAME
Manager, NEPA Program
Project Support
Tennessee Valley Authority

Date Signed