

Categorical Exclusion Checklist

Categorical Exclusion Checklist for Proposed TVA Actions

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|--|---|--|
| Categorical Exclusion Number Claimed | Organization ID Number RLR187967 | Tracking Number (NEPA Administration Use Only) 19229 |
| Form Preparer Janet L Duffey | Project Initiator/Manager Janet L Duffey | Business Unit OE&R - Environmental Stewardship & Policy |
| Project Title 26a Category 2 RLR187967 Mr. Stephen J. King P.E. City of Knoxville Little Tennessee WT - Off Reser | | Hydrologic Unit Code |
| Description of Proposed Action (Include Anticipated Dates of Implementation) <input checked="" type="checkbox"/> Continued on Page 3 (if more than one line) For Proposed Action See Attachments and References | | |
| Initiating TVA Facility or Office Little Tennessee Watershed Team | TVA Business Units Involved in Project | |
| Location (City, County, State) Knox, TN, County, State: Knox, TN Map Sheet(s): 146 SW Quad Sheet Streams(s): First Cr RM 4.16 R | | |

Parts 1 through 4 verify that there are no extraordinary circumstances associated with this action:

Part 1. Project Characteristics

| Is there evidence that the proposed action--- | No | Yes | Information Source |
|--|----|-----|------------------------------|
| 1. Is major in scope? | X | | NOA, Duffey J. L. 09/09/2008 |
| 2. Is part of a larger project proposal involving other TVA actions or other federal agencies? | | X | For comments see attachments |
| *3. Involves non-routine mitigation to avoid adverse impacts? | X | | NOA, Duffey J. L. 09/09/2008 |
| 4. Is opposed by another federal, state, or local government agency? | X | | Duffey J. L. 03/06/2009 |
| *5. Has environmental effects which are controversial? | X | | NOA, Duffey J. L. 09/09/2008 |
| *6. Is one of many actions that will affect the same resources? | | X | For comments see attachments |
| 7. Involves more than minor amount of land? | X | | NOA, Duffey J. L. 09/09/2008 |

* If "yes" is marked for any of the above boxes, consult with NEPA Administration on the suitability of this project for a categorical exclusion.

Part 2. Natural and Cultural Features Affected

| Would the proposed action--- | No | Yes | Per- mit | Commit- ment | Information Source for Insignificance |
|---|----|-----|-------------|-----------------|--|
| 1. Potentially affect endangered, threatened, or special status species? | X | | No | No | For comments see attachments |
| 2. Potentially affect historic structures, historic sites, Native American religious or cultural properties, or archaeological sites? | | X | No | No | For comments see attachments |
| 3. Potentially take prime or unique farmland out of production? | X | | No | No | NOA, Duffey J. L. 09/09/2008 |
| 4. Potentially affect Wild and Scenic Rivers or their tributaries? | X | | No | No | Duffey J. L. 03/09/2009 |
| 5. Potentially affect a stream on the Nationwide Rivers Inventory? | X | | No | No | Duffey J. L. 03/09/2009 |
| 6. Potentially affect wetlands, water flow, or stream channels? | | X | Yes | No | For comments see attachments |
| 7. Potentially affect the 100-year floodplain? | | X | No | No | For comments see attachments |
| 8. Potentially affect ecologically critical areas, federal, state, or local park lands, national or state forests, wilderness areas, scenic areas, wildlife management areas, recreational areas, greenways, or trails? | X | | No | No | James W. K. 09/12/2008 |
| 9. Contribute to the spread of exotic or invasive species? | X | | No | No | For comments see attachments |
| 10. Potentially affect migratory bird populations? | X | | No | No | James W. K. 09/12/2008 |
| 11. Involve water withdrawal of a magnitude that may affect aquatic life or involve interbasin transfer of water? | X | | No | No | NOA, Duffey J. L. 09/09/2008 |
| 12. Potentially affect surface water? | | X | Yes | No | For comments see attachments |
| 13. Potentially affect drinking water supply? | X | | No | No | NOA, Duffey J. L. 09/09/2008 |
| 14. Potentially affect groundwater? | X | | No | No | NOA, Duffey J. L. 09/09/2008 |
| 15. Potentially affect unique or important terrestrial habitat? | X | | No | No | James W. K. 09/12/2008 |
| 16. Potentially affect unique or important aquatic habitat? | X | | No | No | For comments see attachments |

Part 3. Potential Pollutant Generation

| Would the proposed action potentially (including accidental or unplanned)--- | No | Yes | Per- mit | Commit- ment | Information Source for Insignificance |
|--|----|-----|-------------|-----------------|--|
| 1. Release air pollutants? | | X | No | No | For comments see attachments |
| 2. Generate water pollutants? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 3. Generate wastewater streams? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 4. Cause soil erosion? | | X | No | No | For comments see attachments |
| 5. Discharge dredged or fill materials? | X | | No | No | Duffey J. L. 03/09/2009 |
| 6. Generate large amounts of solid waste or waste not ordinarily generated? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 7. Generate or release hazardous waste (RCRA)? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 8. Generate or release universal or special waste, or used oil? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 9. Generate or release toxic substances (CERCLA, TSCA)? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 10. Involve materials such as PCBs, solvents, asbestos, sandblasting material, mercury, lead, or paints? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 11. Involve disturbance of pre-existing contamination? | X | | No | No | Duffey J. L. 03/09/2009 |
| 12. Generate noise levels with off-site impacts? | | X | No | No | For comments see attachments |
| 13. Generate odor with off-site impacts? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 14. Produce light which causes disturbance? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 15. Release of radioactive materials? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 16. Involve underground or above-ground storage tanks or bulk storage? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |
| 17. Involve materials that require special handling? | X | | No | No | CBC, Duffey J. L. 09/09/2008 |

Part 4. Social and Economic Effects

| Would the proposed action--- | No | Yes | Commit- ment | Information Source for Insignificance |
|--|----|-----|-----------------|--|
| 1. Potentially cause public health effects? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 2. Increase the potential for accidents affecting the public? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 3. Cause the displacement or relocation of businesses, residences, cemeteries, or farms? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 4. Contrast with existing land use, or potentially affect resources described as unique or significant in a federal, state, or local plan? | X | | No | Duffey J. L. 06/09/2009 |
| 5. Disproportionately affect minority or low-income populations? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 6. Involve genetically engineered organisms or materials? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 7. Produce visual contrast or visual discord? | X | | No | For comments see attachments |
| 8. Potentially interfere with recreational or educational uses? | X | | No | Duffey J. L. 03/09/2009 |
| 9. Potentially interfere with river or other navigation? | X | | No | Duffey J. L. 03/09/2009 |
| 10. Potentially generate highway or railroad traffic problems? | X | | No | NOA, Duffey J. L. 09/09/2008 |

Part 5. Other Environmental Compliance/Reporting Issues

| Would the proposed action--- | No | Yes | Commit- ment | Information Source for Insignificance |
|--|----|-----|-----------------|--|
| 1. Release or otherwise use substances on the Toxic Release Inventory list? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 2. Involve a structure taller than 200 feet above ground level? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 3. Involve site-specific chemical traffic control? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 4. Require a site-specific emergency notification process? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 5. Cause a modification to equipment with an environmental permit? | X | | No | NOA, Duffey J. L. 09/09/2008 |
| 6. Potentially impact operation of the river system or require special water elevations or flow conditions?? | X | | No | NOA, Duffey J. L. 09/09/2008 |

Parts 1 through 4: If "yes" is checked, describe in the discussion section following this form why the effect is insignificant. Attach any conditions or commitments which will ensure insignificant impacts. Use of non-routine commitments to avoid significance is an indication that consultation with NEPA Administration is needed.

An EA or EIS will be prepared.

Based upon my review of environmental impacts, the discussions attached, and/or consultations with NEPA Administration, I have determined that the above action does not have a significant impact on the quality of the human environment and that no extraordinary circumstances exist. Therefore, this proposal qualifies for a categorical exclusion under Section 5.2. _____ of TVA NEPA Procedures.

| | | |
|---|----------------------------|--------------------|
| Project Initiator/Manager Janet L Duffey | | Date 06/09/2009 |
| TVA Organization RSO&E | E-mail jlduffey@tva.gov | Telephone |

Site Environmental Compliance Reviewer

Final Review/Closure

| | |
|---------------------------|---|
| _____ <i>Signature</i> | Janet L Duffey _____ <i>Signature</i> |
| | 06/09/2009 |

Other Review Signatures (as required by your organization)

| | |
|---|---|
| Mary A McBryar _____ <i>Signature</i> | 06/09/2009 _____ <i>Signature</i> |
| _____ <i>Signature</i> | _____ <i>Signature</i> |
| _____ <i>Signature</i> | _____ <i>Signature</i> |

Attachments/References

Project Title

26a Category 2 RLR187967 Mr. Stephen J. King P.E. City of Knoxville Little Tennessee WT - Off Reservoir

Description of Proposed Action

Facility(s): First Creek Drainage improvements including utility and bridge replacements Bridge - Vehicular Applicant(s): Mr. Stephen J. King P.E. City of Knoxville 400 Main Street, Room 480 Knoxville TN 37902

CEC General Comment Listing

CEC General Comment Listing

1. In the Information Source columns associated with the checklist questions, NOA refers to Nature of Action and CBC refers to Cleared By Criteria. These criteria are described in the Resource Stewardship Prescreening Criteria Checklist Instructions.
By: Janet L Duffey 09/09/2008
2. Core Team concurrence on 02/18/2009 for abbreviated EA due to historic resource concerns. Other resources to be addressed within the context of a supporting CEC.
By: Mary A McBryar 06/09/2009
3. Application
By: ALIS Added Comment
Files: App_187967_King.pdf 09/11/2008 1,842,761 Bytes
4. Photo
By: ALIS Added Comment
Files: DSCF0377.jpg 09/11/2008 1,547,808 Bytes
DSCF0378.jpg 09/11/2008 1,481,413 Bytes
DSCF0379.jpg 09/11/2008 1,473,166 Bytes
DSCF0380.jpg 09/11/2008 1,476,380 Bytes
DSCF0381.jpg 09/11/2008 1,542,260 Bytes
5. Photo
By: ALIS Added Comment
Files: DSCF0382.jpg 09/11/2008 1,423,302 Bytes
DSCF0383.jpg 09/11/2008 1,598,321 Bytes
DSCF0384.jpg 09/11/2008 1,602,822 Bytes
DSCF0385.jpg 09/11/2008 1,480,428 Bytes
DSCF0386.jpg 09/11/2008 1,627,962 Bytes
6. Photo
By: ALIS Added Comment
Files: DSCF0391.jpg 09/11/2008 1,414,992 Bytes
DSCF0392.jpg 09/11/2008 1,450,085 Bytes
DSCF0393.jpg 09/11/2008 1,527,665 Bytes
DSCF0394.jpg 09/11/2008 1,447,653 Bytes
DSCF0395.jpg 09/11/2008 1,370,180 Bytes
7. Drawings 1
By: ALIS Added Comment
Files: Project_Drawings_1_187967_King.pdf 09/11/2008 2,504,898 Bytes
8. Drawings 2
By: ALIS Added Comment
Files: Project_Drawings_2_187967_King.pdf 09/11/2008 2,149,316 Bytes

CEC Comment Listing

Part 1 Comments

2. This project is part of a larger long term replacement of older infrastructure.
By: Janet L Duffey 06/03/2009
6. Will be addressed in EA
By: Janet L Duffey 06/08/2009

Part 2 Comments

CEC Comment Listing

1. Based on review of TVA's Natural Heritage database, onsite habitat conditions and the nature of the action, no affects on any terrestrial listed species will occur as a result of this permit action.
By: Wesley K James 09/12/2008
1. After reviewing the site and Heritage database there were no T/E species in first creek that could be affected by the proposed actions. There are several listed aquatic species in other watersheds around the area, but none that could be affected directly. The applicant will still need to keep all sediment from reaching the water and use all standards and conditions/BMPs that apply.
By: Clinton Jones 09/19/2008
2. The proposed undertaking will have adverse effects to properties eligible or potentially eligible for listing on the National Register of Historic Places. Consultation has been initiated with the Tennessee SHPO and an MOA will have to be signed. Initiation of an EA will better guide the decision-making process.
By: W. Chett Peebles 03/09/2009
2. A field review was conducted and no archaeological resources will be adversely affected.
By: Marianne M. Shuler 06/09/2009
6. Based on review of the proposal, potential affects on riparian vegetation will be minor. TDEC ARAP permit will define any specific commitments for protecting riparian habitats and potential wetlands.
By: Wesley K James 03/02/2009
6. The proposed construction will affect water flow and stream channels. The project will not significantly affect the first creek drainage, but will cause more flow downstream of the project area. The applicant is responsible for any stabilization that occurs due to their plans for high flow area. Special care should be used to reduce all sediment from reaching the water.
By: Clinton Jones 09/19/2008
7. Underground utilities and related lines, minor grading and fills for driveways and stabilization, and bridge/culverts for pedestrian, highway and rr crossings are considered repetitive actions in the floodplain.
By: Janet L Duffey 03/09/2009
9. Proposed actions will not contribute to the spread of exotic or invasive terrestrial species.
By: Wesley K James 09/12/2008
9. Proposed actions will not contribute to the spread of exotic or invasive aquatic species.
By: Clinton Jones 09/19/2008
12. DA Permit 2000-00709 issued September 4, 2008
By: Janet L Duffey 03/09/2009
16. There were no unique or important aquatic habitats located at or near the site.
By: Clinton Jones 09/19/2008

Part 3 Comments

1. A minor amount of air pollutants are expected to be emitted by construction equipment.
By: Janet L Duffey 06/03/2009
4. Insignificant with implementation of General and Standard Conditions including BMPs
By: Janet L Duffey 09/09/2008
12. Noise is expected to be generated from constructed equipment temporarily during the construction of the project.
By: Janet L Duffey 06/03/2009

Part 4 Comments

7. The disturbed area would be visually similar following construction. There are no negative visual impacts anticipated.
By: W. Chett Peebles 01/15/2009

CEC Permit Listing

Part 2 Permits

CEC Permit Listing

6. Aquatic Resource Alteration Permit

By: Wesley K James 09/12/2008

12. Section 404 Permit (404 Clean Water Act)

By: Janet L Duffey 03/09/2009