



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Water Resources
William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor,
Nashville, Tennessee, 37243
1-888-891-8332 (TDEC)

Application for Aquatic Resource Alteration Permit (ARAP) & State §401 Water Quality Certification

OFFICIAL STATE USE ONLY	Site #:	Permit #:	
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Section 1. Applicant Information (individual responsible for site, signs certification below)

Applicant Name (company or individual): Brooks		SOS #:	Status: N/A
Primary Contact/Signatory: Brooks		Signatory's Title or Position: Property owner/resident	
Mailing Address: 1707 Cherrybrook Drive		City: Knoxville	State: TN Zip: 37912
Phone:	Fax: N/A	E-mail:	

Section 2. Alternate Contact/Consultant Information (a consultant is not required)

Alternate Contact Name: Shauna Brooks			
Company:		Title or Position: Property owner/resident	
Mailing Address: 1707 Cherrybrook Drive		City: Knoxville	State: TN Zip: 37912
Phone: 865-719-6876	Fax: N/A	E-mail: shaunastubbsbrooks@gmail.com	

Section 3. Fee (application will be incomplete until fee is received)

☐ No Fee

☒ Fee Submitted with Application

Amount Submitted: \$ 50

Current application fee schedules can be found at the Division of Water Resources webpage at:
<https://www.tn.gov/environment/permit-permits/water-permits/1/aquatic-resource-alteration-permit--arap-.html>
or by calling (615) 532-0625. Please make checks payable to "Treasurer, State of Tennessee".

Billing Contact (if different from Applicant):

Name: **Shauna Brooks**

Email: **Shaunastubbsbrooks@**

Address: **1707 Cherrybrook Dr Knoxville, TN 37912**

Phone: **865-719-6876**

Section 4. Project Details (fill in information and check appropriate boxes)

Site or Project Name: 1707 Cherrybrook Drive	Nearest City, Town or Major Landmark: Knoxville	
Street Address or Location (include zip): 1707 Cherrybrook Drive, Knoxville, TN 37912		
County(ies): Knox	MS4 Jurisdiction:	Latitude (dd.dddd):
		Longitude (dd.dddd):
Resources Proposed for Alteration: <input checked="" type="checkbox"/> Stream / River <input type="checkbox"/> Wetland <input type="checkbox"/> Reservoir		
Name of Water Resource (for more information, access http://tdeconline.tn.gov/dwr): Knob Fork		
Brief Project Description (a more detailed description is required under Section 8): <div style="text-align: right; font-size: 1.2em; margin-top: 10px;">Restoring bank at back of property</div>		
<div>Does the proposed activity require approval from the U.S. Army Corps of Engineers, the Tennessee Valley Authority, or any other federal, state, or local government agency? <div style="text-align: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div></div> <div>If Yes, provide the permit reference numbers:</div> <div>Will the activity require a 401 Water Quality Certification: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div>If Yes, attach any 401 WQC pre-filing meeting request documentation</div> <div>Is the proposed activity associated with a larger common plan of development: <input type="checkbox"/> Yes <input type="checkbox"/> No</div> <div>If Yes, submit site plans and identify the location and overall scope of the common plan of development.</div> <div>Plans attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> <div>If applicable, indicate any other federal, state, or local permits that are associated with the overall project site (common plan of development) that have been obtained in the past (e.g., construction general permit and/or other ARAP):</div>		

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Section 5. Project Schedule (fill in information and check appropriate boxes)		
Proposed start date: Nov 2022	Estimated end date: Dec 2022	
Is any portion of the activity complete now?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, describe the extent of the completed portion:		

The required information in Sections 6-11 must be submitted on a separate sheet(s) and submitted in the same numbered format as presented below. If any question is not applicable, state the reason why it is not applicable.

Section 6. Description		Attached	
		Yes	No
6.1	A narrative description of the scope of the project	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.2	USGS topographic map indicating the exact location of the project (can be a photographic copy)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.3	Photographs of the resource(s) proposed for alteration with location description (photo locations should be noted on map)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.4	A narrative description of the existing stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.5	A narrative description of the proposed stream and/or wetland characteristics including, but not limited to, dimensions (e.g., depth, length, average width), substrate and riparian vegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6.6	In the case of wetlands, include a wetland delineation with delineation forms and site map denoting location of data points	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6.7	A copy of all hydrologic or jurisdictional determination documents issued for water resources on the project site	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Section 7. Project Rationale	Attached	
	Yes	No
Describe the need for the proposed activity, including, but not limited to the purpose, alternatives considered and rationale for selection of least impactful alternative, and what will be done to avoid or minimize impacts to water resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Section 8. Technical Information		Attached	
		Yes	No
8.1	Detailed plans, specifications, blueprints, or legible sketches of present site conditions and the proposed activity. Plans must be 8.5.x 11 inches. Additional larger plans may also be submitted to aid in application review. The detailed plans should be superimposed on existing and new conditions (e.g., stream cross sections where road crossings are proposed)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8.2	For the proposed activity and compensatory mitigation, provide a discussion regarding the sequencing of events and construction methods and any proposed monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8.3	Depiction and narrative on the location and type of erosion prevention and sediment control (EPSC) measures for the proposed alterations and any other measures to treat, control, or manage impacts to waters	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<p>Section 9. Water Resources Degradation (degree of proposed impact)</p> <p>Note that in most cases, activities that exceed the scope of the General Permit limitations are considered greater than <i>de minimis</i> degradation to water quality.</p> <p>Please provide your basis for concluding the proposed activity will cause one of the following levels of water quality degradation:</p> <p><input checked="" type="checkbox"/> a. <i>De minimis</i> degradation, no appreciable permanent loss of resource values</p> <p><input type="checkbox"/> b. Greater than <i>de minimis</i> degradation (if greater than <i>de minimis</i> complete Sections 10-11)</p> <p>For information and guidance on the definition of <i>de minimis</i> and degradation, refer to the Antidegradation Statement in Chapter 0400-40-03-.06 of the Tennessee Water Quality Criteria Rule: https://publications.tnsosfiles.com/rules/0400/0400-40/0400-40.htm For more information on specifics on what General Permits can cover, refer to the Natural Resources Unit webpage at: https://www.tn.gov/environment/permit-permits/water-permits1/aquatic-resource-alteration-permit--arap-.html</p>

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Section 10. Detailed Alternatives Analysis		Attached Yes No	
10.1	Analyze all reasonable alternatives and describe the level of degradation and permanent loss of resource value caused by each alternative. Assessment must consider options other than the "Preferred" and "No Action" alternatives. Provide associated rationale for selecting or rejecting all alternatives considered and demonstration that the least impactful practicable alternative was selected.	<input type="checkbox"/>	<input type="checkbox"/>
10.2	Discuss the social and economic consequences of each alternative	<input type="checkbox"/>	<input type="checkbox"/>
10.3	Demonstrate that the degradation associated with the preferred alternative will not violate water quality criteria for uses designated in the receiving waters, and is necessary to accommodate important economic and social development in the area	<input type="checkbox"/>	<input type="checkbox"/>

Section 11. Compensatory Mitigation		Attached Yes No	
11.1	A detailed discussion of the proposed compensatory mitigation. Provide evidence of credit reservation if proposing to utilize a third-party provider.	<input type="checkbox"/>	<input type="checkbox"/>
11.2	Analysis of any proposed appreciable loss of resource value using the TN Stream Mitigation Guidelines. Provide Stream Quantification Tool (SQT) results if applicable. Include Existing Condition Score (ECS) and debit/credit calculations.	<input type="checkbox"/>	<input type="checkbox"/>
11.3	Describe how the compensatory mitigation would result in no net loss of resource value	<input type="checkbox"/>	<input type="checkbox"/>
11.4	Provide a detailed monitoring plan for the compensatory mitigation site if permittee-responsible project is proposed	<input type="checkbox"/>	<input type="checkbox"/>
11.5	Describe the long-term protection measures for the compensatory mitigation site if permittee-responsible project is proposed (e.g., deed restrictions, conservation easement)	<input type="checkbox"/>	<input type="checkbox"/>

Certification and Signature
<p>An application submitted by a corporation must be signed by a principal executive officer; from a partnership or proprietorship, by the partner or proprietor respectively; from a municipal, state, federal or other public agency or facility, the application must be signed by either a principal executive officer, ranking elected official, or other duly authorized employee.</p> <p><i>I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.</i></p>

Shauna Brooks	Property Owner		10/19/22
Printed Name	Official Title	Signature	Date

Note that this form must be signed by the principal executive officer, partner or proprietor, or a ranking elected official in the case of a municipality; for details see **Certification and Signature** statement above. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed ARAP Application form (keep a copy for your records) to the appropriate EFO for the county(ies) where the proposed activity is located, addressed to **Attention: ARAP Processing**. You may also electronically submit the complete application and all associated attachments to water.permits@tn.gov.

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	8383 Wolf Lake Drive, Bartlett	38133-4119	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Drive	38305-4316	Chattanooga	1301 Riverfront Pkwy., Ste. 206	37402
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	1421 Hampshire Pike	38401	Johnson City	2305 Silverdale Road	37601



Section 6 Description

6.1 Narrative description of scope

Increased water flow has eroded a section of our rear property line. This project will rebuild the bank of that section and stabilize the ground at the back of the property.

6.2 Topographical map



ROAD CLASSIFICATION

Expressway		Local Connector	
Secondary Hwy		Local Road	
Ramp		4WD	
Interstate Route		US Route	State Route

6.3 Photographs



6.4 Narrative description of existing characteristics

This is just a runoff creek. There are trees along both sides. It doesn't contain water except after rain. When it does rain, the volume and speed of runoff has escalated following changes to the parking lot of the adjacent shopping center.

6.5 Narrative description of proposed changes

Regrade, stabilize and restore 20 feet of bank behind the property

6.6 N/A

6.7 N/A

Section 7 Rationale

Increased runoff flow has dramatically eroded the property's rear boundary. Without intervention, continued erosion is likely. Property owner requires restoration to stabilize yard and build a fence.

Section 8 Technical Information

See attachment: Section 8 – Sequence of events

Section 10 N/A

Section 11 N/A



Volunteer Erosion Control, LLC

7248 Asheville Hwy
Knoxville, TN 37924
865.609.9176
service@vectn.com

8.2/8.3 Summary Sequence of Events

1. Notice of ARAP application approval.
Once we are informed of ARAP application approval we will mobilize to 1707 Cherrybrook Dr Knoxville, TN.
2. Mobilization.
Delivery of equipment and materials to rear of property where work is to be done. Materials will include geotextile, large filter stone, compaction soil, and topsoil.
3. Grading.
We will regrade approximately 20' of creekbank using existing soil and compaction soil to establish correct slope.
4. Stabilization.
Total disturbed area will be covered with geotextile secured by sod staples. Large filter stone will be applied to solidify area.
5. Restoration.
All excess materials and equipment will be removed and topsoil spread where needed. Seed and straw will be applied to all areas damaged by VEC accessing work area and project will be completed.



Volunteer Erosion Control, LLC

This Contract is made the **22 November 2022**, by and between Volunteer Erosion Control, LLC, 7248 Asheville Hwy Knoxville, TN 37924 (hereinafter called " CONTRACTOR ") and Brooks, 1707 Cherrybrook DR Knoxville, TN 37912 , (hereinafter called "OWNER(S)")

WHEREAS, this contract is to furnish all the labor, materials, supplies, equipment and to perform all the work for the requested is hereinafter called "PROJECT" in accordance with the contract and all documents and other matters made part of said contract, including the plans, specifications, and conditions for said PROJECT.

CONTRACTOR and OWNER(S) agree as follows:

SECTION 1 THE WORK:

1.1. CONTRACTOR shall furnish all the labor, materials, supplies, equipment, facilities and everything else necessary to perform and shall perform all the work for the construction and completion of the following part(s) of the work of the Contract, and as may be supplemented by the additional requirements of OWNER(S):

Description

Rear Creek Bank Stabilization

Total \$7,875

***Price includes product, delivery, and installation.**

1.1. CONTRACTOR accepts sole and exclusive responsibility for the Work covered hereby, shall provide continuous supervision for such work during the progress thereof at the jobsite. If CONTRACTOR deems that any condition is unsatisfactory, unsuitable or differs from any representation hereof or from good construction practice, it shall give prompt written notification of the condition to OWNER(S) before proceeding with further work and shall not proceed until OWNER(S) gives written instructions with respect to such conditions.

1.2 CONTRACTOR assumes the OWNER(S) has taken all the necessary steps to ensure permits have been properly attained for this project. CONTRACTOR will not be applying, accepting, or signing for any permits need for this project. A TN One Call will be place by the CONTRACTOR, but the OWNER(S) is responsible for identifying all private utilities and any soil classification. Any unidentified utilities encountered will be repaired at the expense of the OWNER(S). If the soil conditions or characteristics are not classified, CONTRACTOR assumes that no foreign materials including but not excluding rock, metal,