

FOR AGENCY USE ONLY

	Notes:
JPA#	

APPLICANTS

PLEASE PRINT OR TYPE ALL ANSWERS. If a question does not apply to your project, please print N/A (not applicable) in the space provided. **If additional space is needed, attach extra 8 ½ x 11 inch sheets of paper.**

Check all that apply

<input type="checkbox"/> Pre-Construction Notification (PCN) <input type="checkbox"/> NWP # _____ <input type="checkbox"/> RP # 05 <i>(For NWP's & RP 05 ONLY - No DEQ-VWP permit writer will be assigned)</i>	<input type="checkbox"/> SPGP	<input type="checkbox"/> DEQ Reapplication Existing permit number: _____	<input type="checkbox"/> Receiving federal funds Agency providing funding: _____
<input type="checkbox"/> Regional Permit 17 Checklist (RP-17)			

PREVIOUS ACTIONS RELATED TO THE PROPOSED WORK (Include all federal, state, and local pre application coordination, site visits, previous permits, or applications whether issued, withdrawn, or denied)

Historical information for past permit submittals can be found online with VMRC - <https://webapps.mrc.virginia.gov/public/habitat/> - or VIMS - <http://ccm.vims.edu/perms/newpermits.html>

Agency	Action / Activity	Permit/Project number, including any non-reporting Nationwide permits previously used (e.g., NWP 13)	Date of Action	If denied, give reason for denial
	See Section 1.2 and Table 9 in the attached application			

1. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR INFORMATION

The applicant(s) is/are the legal entity to which the permit may be issued (see How to Apply at beginning of form). The applicant(s) can either be the property owner(s) or the person/people/company(ies) that intend(s) to undertake the activity. The agent is the person or company that is representing the applicant(s). If a company, please also provide the company name that is registered with the State Corporation Commission (SCC), or indicate no registration with the SCC.

Legal Name(s) of Applicant(s) Mountain Valley Pipeline, LLC				Agent (if applicable) Tetra Tech, Inc.		
Mailing address 2200 Energy Drive				Mailing address 661 Anderson Drive ,Foster Plaza 7, Suite 200		
City Canonsburg	State PA	ZIP Code 15317	City Pittsburgh	State PA	ZIP Code 15220	
Phone number w/area code (724) 271-7600	Fax		Phone number w/area code (412) 921-7090	Fax		
Mobile	E-mail RCooper@equitransmidstream.com		Mobile	E-mail		
State Corporation Commission Name and ID number (if applicable) Mountain Valley Pipeline, LLC T0586216			State Corporation Commission Name and ID number (if applicable) Tetra Tech, Inc. F0572851			

Certain permits or permit authorizations may be provided via electronic mail. If the applicant wishes to receive their permit via electronic mail, please provide an e-mail address here: RCooper@equitransmidstream.com

1. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR INFORMATION (Continued)					
Property owner(s) legal name, if different from applicant See Table 8			Contractor, if known NA		
Mailing address			Mailing address		
City	State	ZIP code	City	State	ZIP code
Phone number w/area code	Fax		Phone number w/area code	Fax	
Mobile	E-mail		Mobile	E-mail	
State Corporation Commission Name and ID number (if applicable)			State Corporation Commission Name ID number (if applicable)		

2. PROJECT LOCATION INFORMATION (Attach a copy of a detailed map, such as a USGS topographic map or street map showing the site location and project boundary, so that it may be located for inspection. Include an arrow indicating the north direction. Include the drainage area if the SPGP box is checked on Page 7.)	
Street Address (911 address if available) See Section 1.4, Table 6, and Table 8	City/County/ZIP Code See Section 1.4, Table 6, and Table 8
Subdivision	Lot/Block/Parcel #
Name of water body(ies) within project boundaries and drainage area (acres or square miles). See Table 1, Table 2, Table 3, and Table 7	
Tributary(ies) to: _____ Basin: <u>See Table 7</u> Sub-basin: <u>See Table 7</u> (Example: Basin: <u>James River</u> Sub-basin: <u>Middle James River</u>)	
Special Standards (based on DEQ Water Quality Standards 9VAC25-260 et seq.): <u>See Section 4.2 in attached application</u>	
Project type (check one) _____ Single user (private, non-commercial, residential) <input checked="" type="checkbox"/> Multi-user (community, commercial, industrial, government) _____ Surface water withdrawal	
Latitude and longitude at center of project site (decimal degrees): <u>See Section 1.4</u> / - _____ (Example: 37.33164/-77.68200)	
USGS topographic map name: <u>See Figure 3</u>	
8-digit USGS Hydrologic Unit Code (HUC) for your project site (See http://cfpub.epa.gov/surf/locate/index.cfm): <u>See Table 7</u> If known, indicate the 10-digit and 12-digit USGS HUCs (see http://consapps.dcr.virginia.gov/htdocs/maps/HUExplorer.htm): _____	
Name of your project (Example: <i>Water Creek driveway crossing</i>) <u>Mountain Valley Pipeline Project</u>	
Is there an access road to the project? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No. If yes, check all that apply: <input checked="" type="checkbox"/> public <input checked="" type="checkbox"/> private <input checked="" type="checkbox"/> improved <input checked="" type="checkbox"/> unimproved	
Total size of the project area (in acres): <u>2,143 acres in Virginia</u>	

2. PROJECT LOCATION INFORMATION (Continued)

Provide driving directions to your site, giving distances from the best and nearest visible landmarks or major intersections:

See Section 1.4 and Section 1.8 in the attached application

Does your project site cross boundaries of two or more localities (i.e., cities/counties/towns)? Yes No

If so, name those localities: See Table 6

3. DESCRIPTION OF THE PROJECT, PROJECT PRIMARY AND SECONDARY PURPOSES, PROJECT NEED, INTENDED USE(S), AND ALTERNATIVES CONSIDERED (Attach additional sheets if necessary)

- The purpose and need must include any new development or expansion of an existing land use and/or proposed future use of residual land.
- Describe the physical alteration of surface waters, including the use of pilings (#, materials), vibratory hammers, explosives, and hydraulic dredging, when applicable, and *whether or not tree clearing will occur* (include the area in square feet and time of year).
- Include a description of alternatives considered and measures taken to avoid or minimize impacts to surface waters, including wetlands, to the maximum extent practicable. Include factors such as, but not limited to, alternative construction technologies, alternative project layout and design, alternative locations, local land use regulations, and existing infrastructure
- For utility crossings, include both alternative routes and alternative construction methodologies considered
- For surface water withdrawals, public surface water supply withdrawals, or projects that will alter in stream flows, include the water supply issues that form the basis of the proposed project.

See Section 1.2 and Section 1.4 for Project description and location.

See Section 2 for Project purpose, need, and uses.

See Section 3 for the Project's alternative analysis.

See Section 5 and Table 15 for information on wetland and waterbody crossing methods and a description of impact avoidance, minimization, and compensation.

Date of proposed commencement of work (MM/DD/YYYY)
Upon approval

Date of proposed completion of work (MM/DD/YYYY)
12/31/2021

Are you submitting this application at the direction of any state, local, or federal agency? Yes No

Has any work commenced or has any portion of the project for which you are seeking a permit been completed?
 Yes No

If you answered "yes" to either question above, give details stating when the work was completed and/or when it commenced, who performed the work, and which agency (if any) directed you to submit this application. In addition, you will need to clearly differentiate between completed work and proposed work on your project drawings.

See Section 1.2, Table 10, Table 11, and Figure 2

Are you aware of any unresolved violations of environmental law or litigation involving the property? Yes No
(If yes, please explain)

No unresolved violations of environmental law.

See Section 1.2 for litigation involving the property.

4. PROJECT COSTS

Approximate cost of the entire project, including materials and labor: \$ >1,100,000,000

Approximate cost of only the portion of the project affecting state waters (channelward of mean low water in tidal areas and below ordinary high water mark in nontidal areas): \$ >500,000

5. PUBLIC NOTIFICATION (Attach additional sheets if necessary)

Complete information for all property owners adjacent to the project site and across the waterway, if the waterway is less than 500 feet in width. If your project is located within a cove, you will need to provide names and mailing addresses for all property owners within the cove. If you own the adjacent lot, provide the requested information for the first adjacent parcel beyond your property line. Per Army Regulation (AR 25-51) outgoing correspondence must be addressed to a person or business.

Failure to provide this information may result in a delay in the processing of your application by VMRC.

Property owner's name	Mailing address	City	State	ZIP code
See Table 8				

Name of newspaper having general circulation in the area of the project: See Section 6.0

Address and phone number (including area code) of newspaper: See Section 6.0

Have adjacent property owners been notified with forms in Appendix A? Yes No (attach copies of distributed forms)

6. THREATENED AND ENDANGERED SPECIES INFORMATION

Please provide any information concerning the potential for your project to impact state and/or federally threatened and endangered species (listed or proposed). Attach correspondence from agencies and/or reference materials that address potential impacts, such as database search results or confirmed waters and wetlands delineation/jurisdictional determination. Include information when applicable regarding the location of the project in Endangered Species Act-designated or -critical habitats. Contact information for the U.S. Fish and Wildlife Service, National Oceanic and Atmospheric Administration, Virginia Dept. of Game and Inland Fisheries, and the Virginia Dept. of Conservation and Recreation-Division of Natural Heritage can be found on page 4 of this package.

7. HISTORIC RESOURCES INFORMATION

Note: Historic properties include but are not limited to archeological sites, battlefields, Civil War earthworks, graveyards, buildings, bridges, canals, etc. Prospective permittees should be aware that section 110k of the NHPA (16 U.S.C. 470h-2(k)) prevents the USACE from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the USACE, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant.

Are any historic properties located within or adjacent to the project site? Yes No Uncertain
If Yes, please provide a map showing the location of the historic property within or adjacent to the project site.

Are there any buildings or structures 50 years old or older located on the project site? Yes No Uncertain
If Yes, please provide a map showing the location of these buildings or structures on the project site.

Is your project located within a historic district? Yes No Uncertain

If Yes, please indicate which district: See Section 1.9.3 and Section 4.4.6

7. HISTORIC RESOURCES INFORMATION (Continued)

Has a survey to locate archeological sites and/or historic structures been carried out on the property?

Yes No Uncertain

If Yes, please provide the following information: Date of Survey: See Section 1.9.3 and Section 4.4.6

Name of firm: Tetra Tech, Inc., New South Associates

Is there a report on file with the Virginia Department of Historic Resources? Yes No Uncertain

Title of Cultural Resources Management (CRM) report: See Section 1.9.3 and Section 4.4.6

Was any historic property located? Yes No Uncertain

8. WETLANDS, WATERS, AND DUNES/BEACHES IMPACT INFORMATION

Report each impact site in a separate column. If needed, attach additional sheets using a similar table format. Please ensure that the associated project drawings clearly depict the location and footprint of each numbered impact site. For dredging, mining, and excavating projects, use Section 17.

	Impact site number 1	Impact site number 2	Impact site number 3	Impact site number 4	Impact site number 5
Impact description (use all that apply): F=fill EX=excavation S=Structure T=tidal NT=non-tidal TE=temporary PE=permanent PR=perennial IN=intermittent SB=subaqueous bottom DB=dune/beach IS=hydrologically isolated V=vegetated NV=non-vegetated MC=Mechanized Clearing of PFO (Example: F, NT, PE, V)	See Table B-1 and Table B-2 within Attachment B				
Latitude / Longitude (in decimal degrees)					
Wetland/waters impact area (square feet / acres)					
Dune/beach impact area (square feet)					
Stream dimensions at impact site (length and average width in linear feet, and area in square feet)					
Volume of fill below Mean High Water or Ordinary High Water (cubic yards)					

8. WETLANDS/WATERS IMPACT INFORMATION (Continued)

<p>Cowardin classification of impacted wetland/water or geomorphological classification of stream <i>Example wetland: PFO;</i> <i>Example stream: 'C' channel and if tidal, whether vegetated or non-vegetated wetlands per Section 28.2-1300 of the Code of Virginia</i></p>	<p>See Table B-1 and Table B-2 within Attachment B</p>				
<p>Average stream flow at site (flow rate under normal rainfall conditions in cubic feet per second) and method of deriving it (gage, estimate, etc.)</p>					
<p>Contributing drainage area in acres or square miles (VMRC cannot complete review without this information)</p>					
<p>DEQ classification of impacted resource(s): Estuarine Class II Non-tidal waters Class III Mountainous zone waters Class IV Stockable trout waters Class V Natural trout waters Class VI Wetlands Class VII https://law.lis.virginia.gov</p>					

For DEQ permitting purposes, also submit as part of this section a wetland and waters boundary delineation map – see (3) in the Footnotes section in the form instructions.

For DEQ permitting purposes, also submit as part of this section a written disclosure of all wetlands, open water, or streams that are located within the proposed project or compensation areas that are also under a deed restriction, conservation easement, restrictive covenant, or other land-use protective instrument.

9. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR CERTIFICATIONS


READ ALL OF THE FOLLOWING CAREFULLY BEFORE SIGNING

PRIVACY ACT STATEMENT: The Department of the Army permit program is authorized by Section 10 of the Rivers and Harbors Act of 1899, Section 404 of the Clean Water Act, and Section 103 of the Marine Protection Research and Sanctuaries Act of 1972. These laws require that individuals obtain permits that authorize structures and work in or affecting navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters prior to undertaking the activity. Information provided in the Joint Permit Application will be used in the permit review process and is a matter of public record once the application is filed. Disclosure of the requested information is voluntary, but it may not be possible to evaluate the permit application or to issue a permit if the information requested is not provided.

CERTIFICATION: I am hereby applying for permits typically issued by the DEQ, VMRC, USACE, and/or Local Wetlands Boards for the activities I have described herein. I agree to allow the duly authorized representatives of any regulatory or advisory agency to enter upon the premises of the project site at reasonable times to inspect and photograph site conditions, both in reviewing a proposal to issue a permit and after permit issuance to determine compliance with the permit.

In addition, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted 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 for knowing violations.

9. APPLICANT, AGENT, PROPERTY OWNER, AND CONTRACTOR CERTIFICATIONS (Continued)



Is/Are the Applicant(s) and Owner(s) the same? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Legal name & title of Applicant Robert J. Cooper - SVP, MVP Engineering and Construction	Second applicant's legal name & title, if applicable N/A
Applicant's signature 	Second applicant's signature
Date 2/19/2021	Date
Property owner's legal name, if different from Applicant See Table 8	Second property owner's legal name, if applicable See Table 8
Property owner's signature, if different from Applicant	Second property owner's signature
Date	Date

CERTIFICATION OF AUTHORIZATION TO ALLOW AGENT(S) TO ACT ON APPLICANT'S(S)' BEHALF (IF APPLICABLE)

I (we), Mountain Valley Pipeline, LLC (and) N/A,
 APPLICANT'S LEGAL NAME(S) – complete the second blank if more than one Applicant

hereby certify that I (we) have authorized Henry Schumacher (and) N/A
 AGENT'S NAME(S) – complete the second blank if more than one Agent

to act on my (our) behalf and take all actions necessary to the processing, issuance, and acceptance of this permit and any and all standard and special conditions attached. I (we) hereby certify that the information submitted in this application is true and accurate to the best of my (our) knowledge.

Applicant's signature 	Second applicant's signature, if applicable N/A
Date 2/19/2021	Date N/A
Agent's signature and title  Sr. Ecologist	Second agent's signature and title, if applicable N/A
Date 2/19/2021	Date N/A

CONTRACTOR ACKNOWLEDGEMENT (IF APPLICABLE)

I (we), N/A (and) N/A,
 APPLICANT'S LEGAL NAME(S) – complete the second blank if more than one Applicant

have contracted N/A (and) N/A
 CONTRACTOR'S NAME(S) – complete the second blank if more than one Contractor

to perform the work described in this Joint Permit Application, signed and dated N/A.

I (we) will read and abide by all conditions as set forth in all federal, state, and local permits as required for this project. I (we) understand that failure to follow the conditions of the permits may constitute a violation of applicable federal, state, and local statutes and that we will be liable for any civil and/or criminal penalties imposed by these statutes. In addition, I (we) agree to make available a copy of any permit to any regulatory representative visiting the project site to ensure permit compliance. If I (we) fail to provide the applicable permit upon request, I (we) understand that the representative will have the option of stopping our operation until it has been determined that we have a properly signed and executed permit and are in full compliance with all of the terms and conditions.

Contractor's name or name of firm (printed/typed) N/A	Contractor's or firm's mailing address N/A	
Contractor's signature and title N/A	Contractor's license number N/A	Date N/A
Applicant's signature N/A	Second applicant's signature, if applicable N/A	
Date N/A	Date N/A	



END OF GENERAL INFORMATION

The following sections are activity-specific. Fill out only the sections that apply to your particular project.

10. PRIVATE PIERS, MARGINAL WHARVES, AND UNCOVERED BOAT LIFTS

Regional Permit 17 (RP-17), authorizes the installation and/or construction of open-pile piers, mooring structures/devices, fender piles, covered boathouses/boatslips, boatlifts, osprey pilings/platforms, accessory pier structures, and certain devices associated with shellfish gardening, for private use, subject to strict compliance with all conditions and limitations further set out in the RP-17 enclosure located at http://www.nao.usace.army.mil/Missions/Regulatory/RBregional/. In addition to the information required in this JPA, prospective permittees seeking authorization under RP-17 must complete and submit the 'Regional Permit 17 Checklist' with their JPA. A copy of the 'Regional Permit 17 Checklist' is found in Appendix B of this application package. If the prospective permittee answers "yes" (or "N/A", where applicable) to all of the questions on the 'Regional Permit 17 Checklist', the permittee is in compliance with RP-17 and will not receive any other written authorization from the Corps but may not proceed with construction until they have obtained all necessary state and local permits. Note: If the prospective permittee answers "no" to any of the questions on the 'Regional Permit 17 Checklist' then their proposed structure(s) does not meet the terms and conditions of RP-17 and written authorization from the Corps is required before commencement of any work.

If the prospective permittee answers "no" to any of the questions on the 'Regional Permit 17 Checklist' then their proposed structure(s) does not meet the terms and conditions of RP-17 and written authorization from the Corps is required before commencement of any work. In those circumstances, the following information must be included in the application and/or on the drawings in order for the application to be considered complete:

- 1. The applicant MUST provide written justification/need for the encroachment if the proposed structure(s) will extend greater than one-fourth of the distance across the waterway measured from either mean high water to mean high water (including all channelward wetlands) or ordinary high water to ordinary high water (including all channelward wetlands). The measurement should be based on the narrowest distance across the waterway regardless of the orientation of the proposed structure(s).
2. The applicant MUST provide written justification/need if the proposed structure(s) is greater than five (5) feet wide or there will be less than four (4) feet elevation between the decking and the vegetated wetlands substrate.
3. The Corps MAY require depth soundings across the waterway at increments designated by the Corps project manager. Inclusion of depth sounding data in the original JPA submittal is highly recommended in order to expedite permit evaluation. Depth soundings are typically taken at 10-foot increments for waterways less than 200 feet wide and 20-foot increments for waterways greater than 200 feet wide. Please include the date and time the measurements were taken, whether the data was collected at mean low water (MLW) or MHW, and how the soundings were taken (e.g., tape, range finder, etc.).

Number of vessels to be moored at the pier or wharf: N/A
Do you have an existing pier on your property? Yes No
If yes, will it be removed? Yes No
Is your lot platted to the mean low water shoreline? Yes No

In the spaces provided below, give the type (e.g., sail, power, skiff, etc.), size, and registration number of the vessel(s) to be moored

Table with 5 columns: TYPE, LENGTH, WIDTH, DRAFT, REGISTRATION #. Row 1: N/A, N/A, N/A, N/A, N/A.

11. BOATHOUSES, GAZEBOS, COVERED BOAT LIFTS, AND OTHER ROOFED STRUCTURES OVER WATERWAYS

Number of vessels to be moored at the proposed structure:
Will the sides of the structure be enclosed? Yes No
Area covered by the roof structure square feet

In the spaces provided below, give the type (e.g., sail, power, skiff, etc.), size, and registration number of the vessel(s) to be moored

Table with 5 columns: TYPE, LENGTH, WIDTH, DRAFT, REGISTRATION #. Row 1: N/A, N/A, N/A, N/A, N/A.

12. MARINAS AND COMMERCIAL, GOVERNMENTAL, AND COMMUNITY PIERS

Have you obtained the Virginia Department of Health's approval for sanitary facilities? Yes No
You will need to obtain this authorization or a variance before a VMRC permit will be issued.

Will petroleum products or other hazardous materials be stored or handled at the facility? Yes No
If your answer is yes, please attach your spill contingency plan.

Will the facility be equipped to off-load sewage from boats? Yes No

EXISTING: wet slips: _____ dry storage: _____ PROPOSED: wet slips: _____ dry storage: _____

**13. FREE STANDING MOORING PILES, OSPREY NESTING POLES, MOORING BUOYS, AND DOLPHINS
(not associated with piers)**

Number of vessels to be moored: N/A Type and number of mooring(s) proposed: N/A

In the spaces provided below, give the type (e.g., sail, power, skiff, etc.), size, and registration number of the vessel(s) to be moored

TYPE	LENGTH	WIDTH	DRAFT	REGISTRATION #
N/A	N/A	N/A	N/A	N/A

Give the name and complete mailing address(es) of the owner(s) of the vessel(s) if not owned by applicant (attach extra sheets if needed):

N/A

Do you plan to reach the mooring from your own upland property? Yes No
If "no," explain how you intend to access the mooring.

N/A

14. BOAT RAMPS

Will excavation be required to construct the boat ramp? Yes No. If "yes," will any of the excavation occur below the plane of the ordinary high water mark/mean high water line or in wetlands? Yes No. If "yes," you will need to fill out Section 17 for this excavation.

Where will you dispose of the excavated material?

N/A

What type of design and materials will be used to construct the ramp (open pile design with salt treated lumber, concrete slab on gravel bedding, etc.)?

N/A

Location of nearest public boat ramp

N/A

Driving distance to that public ramp N/A miles

Will other structures be constructed concurrent with the boat ramp installation? Yes No
If "yes," please fill out the appropriate sections of this application associated with those other activities.

15. TIDAL/NONTIDAL SHORELINE STABILIZATION STRUCTURES (INCLUDING BULKHEADS AND ASSOCIATED BACKFILL, RIPRAP REVETMENTS AND ASSOCIATED BACKFILL, MARSH TOE STABILIZATION, GROINS, JETTIES, AND BREAKWATERS, ETC.) Information on non structural, vegetative alternatives (i.e., Living Shoreline) for shoreline stabilization is available at http://ccrm.vims.edu/coastal_zone/living_shorelines/index.html.

Is any portion of the project maintenance or replacement of an existing and currently serviceable structure? Yes No
 If yes, give length of existing structure: N/A linear feet

If your maintenance project entails replacement of a bulkhead, is it possible to construct the replacement bulkhead within 2 feet channelward of the existing bulkhead? Yes No If not, please explain below:

N/A

Length of proposed structure, including returns: N/A linear feet

Average channelward encroachment of the structure from Mean high water/ordinary high water mark: N/A feet

Maximum channelward encroachment of the structure from Mean high water/ordinary high water mark: N/A feet

Mean low water: N/A feet

Mean low water: N/A feet

Maximum channelward encroachment from the back edge of the Dune N/A feet

Maximum channelward encroachment from the back edge of the Beach N/A feet

Describe the type of construction including all materials to be used (including all fittings). Will filter cloth be used? Yes No

N/A

What is the source of the backfill material? N/A

What is the composition of the backfill material? N/A

If rock is to be used, give the average volume of material to be used for every linear foot of construction: N/A cubic yards
 What is the volume of material to be placed below the plane of ordinary high water mark/mean high water? N/A cubic yards

For projects involving stone:

Average weight of core material (bottom layers): N/A pounds per stone (Class)

Average weight of armor material (top layers): N/A pounds per stone (Class)

Are there similar shoreline stabilization structures in the vicinity of your project site? Yes No

If so, describe the type(s) and location(s) of the structure(s):

N/A

If you are building a groin or jetty, will the channelward end of the structure be marked to show a hazard to navigation?
 Yes No

Has your project been reviewed by the Shoreline Erosion Advisory Service (SEAS)? Yes No
 If yes, please attach a copy of their comments.

16. BEACH NOURISHMENT

Source of material and composition (percentage sand, silt, clay):
N/A

Volume of material: N/A cubic yards

Area to be covered N/A square feet channelward of mean low water N/A square feet channelward of mean high water

N/A square feet landward of mean low water N/A square feet channelward of mean high water

Mode of transportation of material to the project site (truck, pipeline, etc.):

N/A

16. BEACH NOURISHMENT (Continued)

Describe the type(s) of vegetation proposed for stabilization and the proposed planting plan, including schedule, spacing, monitoring, etc. Attach additional sheets if necessary.

N/A

17. DREDGING, MINING, AND EXCAVATING

FILL OUT THE FOLLOWING TABLE FOR DREDGING PROJECTS

	NEW dredging				MAINTENANCE dredging			
	Hydraulic		Mechanical (clamshell, dragline, etc.)		Hydraulic		Mechanical (clamshell, dragline, etc.)	
	Cubic yards	Square feet	Cubic yards	Square feet	Cubic yards	Square feet	Cubic yards	Square feet
Vegetated wetlands	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Non-vegetated wetlands								
Subaqueous land								
Totals								

Is this a one-time dredging event? Yes ___ No If "no", how many dredging cycles are anticipated: N/A
 (___ initial cycle in cu. yds.) (___ subsequent cycles in cu. yds.)

Composition of material (percentage sand, silt, clay, rock):
 Provide documentation (i.e., laboratory results or analytical reports) that *dredged* material from on-site areas is free of toxics. If not free of toxics, provide documentation of proper disposal (i.e., bill of lading from commercial supplier or disposal site).

N/A

Please include a dredged material management plan that includes specifics on how the dredged material will be handled and retained to prevent its entry into surface waters or wetlands. If on-site dewatering is proposed, please include plan view and cross-sectional drawings of the dewatering area and associated outfall.

N/A

Will the dredged material be used for any commercial purpose or beneficial use? ___ Yes ___ No
 If yes, please explain:

N/A

If this is a maintenance dredging project, what was the date that the dredging was last performed? N/A
 Permit number of original permit: N/A (It is important that you attach a copy of the original permit.)

17. DREDGING, MINING, AND EXCAVATING (Continued)

For mining projects: On separate sheets of paper, explain the operation plans, including: 1) the frequency (e.g., every six weeks), duration (i.e., April through September), and volume (in cubic yards) to be removed per operation; 2) the temporary storage and handling methods of mined material, including the dimensions of the containment berm used for upland disposal of dredged material and the need (or no need) for a liner or impermeable material to prevent the leaching of any identified contaminants into ground water; 3) how equipment will access the mine site; and 4) verification that dredging: a) will not occur in water body segments that are currently on the effective Section 303(d) Total Maximum Daily Load (TMDL) priority list ([available at http://www.deq.virginia.gov/Programs/Water/WaterQualityInformationTMDLs/TMDL/TMDLDevelopment/TMDLProgramPriorities.aspx](http://www.deq.virginia.gov/Programs/Water/WaterQualityInformationTMDLs/TMDL/TMDLDevelopment/TMDLProgramPriorities.aspx)) or that have an approved TMDL; b) will not exacerbate any impairment; and c) will be consistent with any waste load allocation/limit/conditions imposed by an approved TMDL (see, "What's in my backyard" or subsequent spatial files at <http://www.deq.virginia.gov/ConnectWithDEQ/VEGIS.aspx> to determine the extent of TMDL watersheds and impairment segments).

Have you applied for a permit from the Virginia Department of Mines, Minerals and Energy? Yes No If Yes:
Existing permit number: _____ Date permit issued: _____

Contributing drainage area: _____ square miles

Average stream flow at site (flow rate under normal rainfall conditions): _____ cfs

18. FILL (not associated with backfilled shoreline structures) AND OTHER STRUCTURES (other than piers and boathouses) IN WETLANDS OR WATERS, OR ON DUNES/BEACHES

Source and composition of fill material (percentage sand, silt, clay, rock):

N/A

Provide documentation (i.e., laboratory results or analytical reports) that fill material from off-site locations is free of toxics. If not free of toxics, provide documentation of proper disposal (i.e., bill of lading from commercial supplier or disposal site). Documentation is not necessary for fill material obtained from on-site areas.

Explain the purpose of the filling activity and the type of structure to be constructed over the filled area (if any):

N/A

Describe any structure that will be placed in wetlands/waters or on a beach dune and its purpose:

N/A

Will the structure be placed on pilings? Yes No

Total area occupied by any structure.
N/A _____ Square Feet

How far will the structure be placed channelward from the back edge of the dune? N/A _____ feet

How far will the structure be placed channelward from the back edge of the beach? N/A _____ feet

19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS

If proposed activities are being conducted for the purposes of compensatory mitigation, please attach separate sheets of paper providing all information required by the most recent version of the stream assessment methodology approved by the Norfolk District of the U.S. Army Corps of Engineers and the Virginia Department of Environmental Quality, in lieu of completing the questions below. Required information outlined by the methodology can be found at: <http://www.nao.usace.army.mil/Missions/Regulatory/UnifiedStreamMethodology.aspx> or <http://www.deq.virginia.gov/Programs/Water/WetlandsStreams/Mitigation.aspx>.

For all projects proposing stream restoration provide a completed Natural Channel Design Review Checklist and Selected Morphological Characteristics form. These forms and the associated manual can be located at: <https://www.fws.gov/chesapeakebay/StreamReports/NCD%20Review%20Checklist/Natural%20Channel%20Design%20Checklist%20Doc%20V2%20Final%2011-4-11.pdf>

Has the stream restoration project been designed by a local, state, or federal agency? Yes No. If yes, please include the name of the agency here: N/A _____.

Is the agency also providing funding for this project? Yes No

Stream dimensions at impact site (length and average width in linear feet, and area in square feet):

L: N/A _____ (feet) AW: N/A _____ (feet) Area: N/A _____ (square feet)

Contributing drainage area: N/A _____ acres or N/A _____ square miles

19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS (Continued) 19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS (Continued)19. NONTIDAL STREAM CHANNEL MODIFICATIONS FOR RESTORATION OR ENHANCMENT, or TEMPORARY OR PERMANENT RELOCATIONS (Continued)

Existing average stream flow at site (flow rate under normal rainfall conditions): _____cfs

Proposed average stream flow at site after modifications (flow rate under normal rainfall conditions): _____cfs

Explain, in detail, the method to be used to stabilize the banks:

N/A

Explain the composition of the existing stream bed (percent cobble, rock, sand, etc.):

N/A

Will low-flow channels be maintained in the modified stream channel? ____ Yes ____ No.

Describe how:

N/A

Will any structure(s) be placed in the stream to create riffles, pools, meanders, etc.? ____ Yes ____ No

If yes, please explain:

N/A

20. UTILITY CROSSINGS

Type of crossing: ____ overhead trenched directionally-drilled

Method of clearing corridor of vegetation (check all that apply): mechanized land clearing that disturbs the soil surface

cutting vegetation above the soil surface

Describe the materials to be used in the installation of the utility line (including gravel bedding for trenched installations, bentonite slurries used during direction-drilling, etc.) and a sequence of events to detail how the installation will be accomplished (including methods used for in-stream and dry crossings).

See Section 1.3, Attachment H, and Attachment J

Will the proposed utility provide empty conduits for any additional utilities that may propose to co-locate at a later date? ____ Yes

No.

For overhead crossings over navigable waterways (including all tidal waterways), please indicate the height of other overhead crossings or bridges over the waterway relative to mean high water, mean low water, or ordinary high water mark:

N/A

Nominal system voltage, if project involves power lines: N/A

Total number of electrical circuits: N/A

20. UTILITY CROSSINGS (Continued)

Will there be an excess of excavated material? ___ Yes X No
If so, describe the method that will be undertaken to dispose of, and transport, the material to its permanent disposal location and give that location:

Will any excess material be stockpiled in wetlands? x Yes ___ No
If so, will the stockpiled material be placed on filter fabric or some other type of impervious surface? x Yes ___ No

Will permanent access roads be placed through wetlands/streams? X Yes ___ No
If yes, will the roads be (check one) at grade above grade?

Will the utility line through wetlands/waters be continually maintained (e.g. via mowing or herbicide)? X Yes ___ No
If maintained, what is the maximum width? 10 feet

21. ROAD CROSSINGS

Have you conducted hydraulic studies to verify the adequacy of the culverts? ___ Yes X No
If so, please attach a copy of the hydraulic study/report.
Virginia Department of Transportation (VDOT) standards require that the backwater for a 100 year storm not exceed 1 foot for all road, culvert, and bridge projects within FEMA-designated floodplains. Virginia Department of Environmental Quality (DEQ) requires pipes and culverts 24 inches or less in diameter to be countersunk three inches below the natural stream bed elevations, and pipes and culverts greater than 24 inches to be countersunk at least six inches below the natural stream bed elevations. Hydraulic capacity is determined based on the reduced capacity due to the countersunk position.

Will the culverts be countersunk below the stream bottom? X Yes ___ No. If no, explain:
Where possible, existing culverts will be used. Culvert enhancement/installation will follow best management practices. See Sections 1.3.2 and 4.2.7.

If the project entails a bridged crossing and there are similar crossings in the area, what is the vertical distance above mean high water, mean low water, or ordinary high water mark of those similar structures? N/A feet above N/A
For all bridges proposed over navigable waterways (including all tidal water bodies), you will be required to contact the U.S. Coast Guard to determine if a permit is required of their agency.

On separate sheets of paper, describe the materials to be used, the method of construction (including the use of cofferdams), the sequence of construction events, and if bedrock conditions may be encountered. Include cross-sections and profile plans of the culvert crossings including wing walls or rip rap. See Attachment H and J and Section 1.3

22. IMPOUNDMENTS, DAMS, AND STORMWATER MANAGEMENT FACILITIES

If the impoundment or dam is a component of a water withdrawal project, also complete Sections 24 through 26.

Will the proposed impoundment, dam, or stormwater management facility be used for agricultural purposes (e.g., in the operation of a farm)? For DEQ permitting purposes, a farm is considered to be a property or operation that produces goods for market.
___ Yes ___ No

What type of materials will be used in the construction (earth, concrete, rock, etc.)? N/A

What is the source of these materials? N/A

Provide the dimensions of proposed impoundment, dam, or stormwater management facility, including the height and width of all structures.
N/A

Storage capacity* of impoundment: N/A acre-feet
*should be given for the normal pool of recreational or farm ponds, or design pool for stormwater management ponds or reservoirs (the elevation the pond will be at for the design storm, e.g., 10-year, 24-hour storm)

Surface area** of impoundment: N/A acres
**should be given for the normal pool of recreational or farm ponds, or design pool for stormwater management ponds or reservoirs (the elevation the pond will be at for the design storm, e.g., 10-year, 24-hour storm)

22. IMPOUNDMENTS, DAMS, AND STORMWATER MANAGEMENT FACILITIES (Continued)

Is the proposed project excluded from the Virginia Dam Safety Regulations? ___ Yes ___ No ___ Uncertain

If not excluded, does your proposed project comply with the Virginia Dam Safety Regulations? ___ Yes ___ No ___ Uncertain

Does the proposed design include a vegetation management area per §10.1-609.2? ___ Yes ___ No ___ Uncertain

If your answer to these questions is no or uncertain, you should contact the Virginia Department of Conservation and Recreation's Dam Safety Program at (804) 371-6095, or reference the regulations on the Web at http://www.dcr.virginia.gov/dam_safety_and_floodplains/index.shtml

For stormwater management and flood control facilities:

Design storm event: N/A year storm Retention time: N/A hours

Current average flow (flow rate under normal rainfall conditions): N/A cfs

Method used to derive average flow: N/A

Proposed peak outflow for the design storm provided above: N/A cfs

Has the facility been designed as an Enhanced Extended Detention Basin or an Extended Detention Basin in accordance with the Minimum Standard 3.07 of the Virginia Stormwater Management Handbook, Volume I (published by the Virginia Department of Conservation and Recreation, 1999), or in accordance with the latest version of this handbook? ___ Yes ___ No

Will the impoundment structure be designed to pass a minimum flow at all times? ___ Yes ___ No

If so, please give the minimum rate of flow: N/A cfs

What is the drainage area upstream of the proposed impoundment? N/A square miles

How much of your proposed impoundment structure will be located on the stream bed? _____ square feet

What is the area of vegetated wetlands that will be excavated and/or back-flooded by the impoundment? _____ square feet

What is the *area and length* of streambed that will be excavated and/or back-flooded by the impoundment? _____ square feet
 _____ linear feet

Are fish ladders being proposed to accommodate the passage of fish? ___ Yes ___ No

23. OUTFALLS NOT ASSOCIATED WITH PROPOSED WATER WITHDRAWAL ACTIVITIES

Type and size of pipe(s): N/A - See Section 4.1.4

Daily rate of discharge: N/A - See Section 4.1.4 mgd

If the discharge will be thermally-altered, provide the maximum temperature: N/A - See Section 4.1.4

Contributing drainage area: N/A - See Section 4.1.4 square miles Average daily stream flow at site: N/A - See Section 4.1.4 cfs

Have you received a Virginia Discharge Elimination System (VPDES) permit for the proposed project? ___ Yes ___ No.

If yes, please provide the VPDES permit number: N/A - See Section 4.1.4.

If no, is there a permit action pending? ___ Yes ___ No. If pending, what is the facility name? N/A - See Section 4.1.4.

The following sections are typically related to surface water withdrawal activities; Federal Energy Regulatory Commission license projects; or impacts likely to require instream flow limits. Examples of such projects include, but are not limited to, reservoirs, irrigation projects, power generation facilities, and public water supply facilities that may or may not have associated features, such as dams, intake pipes, outfall structures, berms, etc.

If completing these sections, enter "N/A" in any section that does not apply to the project.

24. INTAKES, OUTFALLS, AND WATER CONTROL STRUCTURES (INCLUDING ALL PROPOSED WATER WITHDRAWAL ACTIVITIES)	
<p>For intakes:</p> <p>Type and size of pipe(s): <u>N/A - See Section 4.1.4</u></p> <p>Type and size of pump(s): <u>N/A - See Section 4.1.4</u></p> <p>Average and Maximum daily rate of withdrawal: <u>N/A - See Section 4.1.4</u> and <u>N/A - See Section 4.1.4</u> mgd</p> <p>Velocity of withdrawal: <u>N/A - See Section 4.1.4</u> fps</p> <p>Screen mesh size: <u>N/A - See Section 4.1.4</u> inches / <u>N/A - See Section 4.1.4</u> mm</p> <p>If other sizing units, please specify: <u>N/A - See Section 4.1.4</u></p> <p>Contributing drainage area at withdrawal point(s): <u>N/A - See Section 4.1.4</u> square miles</p> <p>Average daily stream flow at withdrawal point(s) (flow rate under normal rainfall conditions): <u>N/A - See Section 4.1.4</u> cfs</p> <p>Method(s) used to derive average daily stream flow <u>N/A - See Section 4.1.4</u></p> <p>Average annual stream flow at withdrawal point(s): <u>N/A - See Section 4.1.4</u> cfs</p> <p>Latitude and longitude of withdrawal point(s) (degrees, minutes, seconds): <u>N/A - See Section 4.1.4</u></p>	<p>For outfalls:</p> <p>Type, size, and hydraulic capacity (under normal conditions) of pipe(s): <u>N/A - See Section 4.1.4</u>, _____, and <u>N/A - See Section 4.1.4</u></p> <p>Daily rate of discharge: <u>N/A - See Section 4.1.4</u> mgd</p> <p>If the discharge will be thermally-altered, provide the maximum temperature: <u>N/A - See Section 4.1.4</u></p> <p>Contributing drainage area at discharge point(s): <u>N/A - See Section 4.1.4</u> square miles</p> <p>Average daily stream flow at discharge point(s) (flow rate under normal rainfall conditions): <u>N/A - See Section 4.1.4</u> cfs</p> <p>Method(s) used to derive average daily stream flow <u>N/A - See Section 4.1.4</u></p> <p>Latitude and longitude of discharge point(s) (degrees, minutes, seconds): <u>N/A - See Section 4.1.4</u></p>

For intakes and dams, use the table below to provide the median monthly stream flows in cubic feet per second (cfs) at the water intake or dam site (not at the stream gage; if there is not a gage at the intake or dam site, you will need to interpolate flows to the intake or dam site based upon the most closely related watershed in which there is an operational stream gage monitored by the United States Geologic Survey (USGS)). Median flow is the value at which half of the measurements are above and half of the measurements are below. Median is also sometimes referred to as the '50% exceedence flow'. The median flow generally must be calculated from USGS historical data. Please do not provide *mean* (average) flow.

Month	Median flow (cfs)	Month	Median flow (cfs)
January	N/A - See Section 4.1.4	July	N/A - See Section 4.1.4
February		August	
March		September	
April		October	
May		November	
June		December	

24. INTAKES, OUTFALLS, AND WATER CONTROL STRUCTURES (Continued)

Describe the stream flow gages used, USGS stream flow gage site number and site name (e.g., USGS 01671100 Little River near Doswell, VA), the type of calculations used (such as drainage area correction factors), and the period of record that was used to calculate the median flows provided in the table above. Generally, the period of record should span a minimum of 30 years.

N/A - See Section 4.1.4

For interbasin transfer of water resources proposed from either the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, provide the following information:

Destination location (discharge point) of the transfer: _____
8-digit USGS Hydrologic Unit Code (HUC) (See <http://cfpub.epa.gov/surf/locate/index.cfm>): N/A If known, indicate the 10-digit and 12-digit USGS HUCs (see <http://consapps.dcr.virginia.gov/htdocs/maps/HUExplorer.htm>):

 N/A - See Section 4.1.4

 N/A - See Section 4.1.4

Latitude and Longitude: _____ - _____ - _____ / _____ - _____ - _____

Provide any available historical low-flows at the intake or dam site.

N/A

Describe how the proposed withdrawal at the intake or dam site will impact stream flows in terms of rates, volumes, frequency, etc. (e.g., percent of the flow to be withdrawn, percent of withdrawal returned to the original source, etc.).

N/A

Describe how the withdrawal of water will vary over time. For example, will the withdrawal vary by the time of year, by the time of day, or by the time of week? Examples of projects that should describe variable withdrawals include, but are not limited to: power plant cooling withdrawals that increase and decrease seasonally; golf course irrigation; municipal water supply; nurseries; ski resorts that use water for snowmaking; and resorts with weekend or seasonal variations.

N/A

24. INTAKES, OUTFALLS, AND WATER CONTROL STRUCTURES (Continued)

Provide the amount of water that will be lost due to consumptive use. For the purpose of this application, consumptive use means the withdrawal of surface waters without recycling of said waters to their source or basin of origin. Examples of consumptive uses are water that is evaporated in cooling towers or by other means in power plants; irrigation water (all types); residential water use that takes place outside of the home; and residential water use both inside and outside of homes for residences served by septic systems. Projects that propose a transfer of water from one river basin to another and/or localities that sell water to other jurisdictions, should document the portion of the withdrawal that is not returned to the originating watershed.

Proposed monthly consumptive volume (million gallons): N/A

Attach a map showing the *location* of the withdrawal and of the return of flow, and provide the *amount* of the return flow (million gallons).

For withdrawals proposed on an impoundment, provide a description of flow or release control structures. Include type of structure, rate of flow, size, capacity, invert elevation of outfall pipes referenced to the normal pool elevation, and the mechanism used to control release. Provide a description of available water storage facilities. Include the volume, depth, normal pool elevation, unusable storage volume and dimensions. If applicable, stage-storage relationship at the impounding structure (the volume of water in the impoundment at varying stages of water depth) and volume or rate of withdrawals from the storage facility.

N/A

25. WATER WITHDRAWAL USE(S), NEED, AND ALTERNATIVES (Attach additional sheets if needed.)

Describe the proposed use(s) and need for the surface water and information on how demand for surface water was determined. *Golf courses* must provide documentation to justify the amount of water withdrawal, such as the amount of acreage under irrigation, the acreage of fairways versus greens, type of turf grass, evapotranspiration, and irrigation efficiency. *Agricultural* users must supply documentation justifying their requested withdrawal amount, such as type of crop, livestock, or other agriculture animal, number of animals, watering needs, acres irrigated, inches of water applied, and frequency of application. *Other users* of withdrawals for purposes other than those described above must provide sufficient documentation to justify the requested withdrawal amounts.

N/A

25. WATER WITHDRAWAL USE(S), NEED, AND ALTERNATIVES (Continued)

Provide the following information at the water intake or dam site. Specify the units of measurement (e.g., million gallons per day, gallons per minute, cubic feet per second, etc.).

Proposed maximum instantaneous withdrawal N/A

Proposed average daily withdrawal N/A

Proposed maximum daily withdrawal N/A

Proposed maximum monthly withdrawal N/A

Proposed maximum annual withdrawal N/A

Describe how the above withdrawals were calculated, including the relevant assumptions made in that calculation and the documentation or resources used to support the calculations, such as population projections, population growth rates, per-capita use, new uses, changes to service areas, and if applicable, evapotranspiration data and irrigation data.

N/A

For surface water withdrawals, public water supply withdrawals, and projects that will alter instream flows, provide information to establish the local water supply need. Attach additional sheets if needed.

EXISTING	PROJECTED
Existing supply sources, yields, and demands: <u> N/A </u>	Projected demands over a minimum 30-year planning period: <u> N/A </u>
Peak day withdrawal: <u> N/A </u>	Projected demands in local or regional water supply plan (9VAC25-780 et seq.) or demand for the project service area, if that is smaller in area: <u> N/A </u>
Average daily withdrawal: <u> N/A </u>	Statistical population (growth) trends: <u> N/A </u>
Safe yield: <u> N/A </u>	Projected demands by type of water use: <u> N/A </u>
Lowest daily flow of record: <u> N/A </u>	Projected demands without water conservation measures: <u> N/A </u>
Types of water uses (residential, public water supply, commercial, industrial, agricultural): <u> N/A </u>	Projected demands with long-term water conservation measures: <u> N/A </u>
Existing water conservation measures and drought response plan, including what conditions trigger implementation: <u> N/A </u>	

For surface water withdrawals other than public water supply, provide information or documentation that demonstrates alternate sources of water are available for the proposed project during times of reduced instream flow.

N/A

25. WATER WITHDRAWAL USE(S), NEED, AND ALTERNATIVES (Continued)

Provide information from the State Water Resources Plan (<http://www.deq.virginia.gov/Programs/Water/WaterSupplyWaterQuantity/WaterSupplyPlanning/StateWaterResourcesPlan.aspx>) and the local or regional water supply plan that covers the area in which the proposed water withdrawal project is located (<http://www.deq.virginia.gov/Portals/0/DEQ/Water/WaterSupplyPlanning/SWRP%20Final/App%20A%20Water%20Supply%20Plans%20and%20Participating%20Localities.pdf>). Include information from the plan that pertains to projected demand, analysis of alternatives, and water conservation measures. Discuss any discrepancies between the water supply plan and the proposed project. For projects that propose a transfer of water resources from the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, information should be provided from the water supply plans for both the source and receiving basins. Attach additional sheets if needed.

N/A

Provide an alternatives analysis for the proposed water withdrawal project, including the required range of alternatives to be analyzed; a narrative outlining the opportunities and status of regional efforts undertaken; and the criteria used to evaluate each alternative. The analysis must address all of the criteria contained in 9VAC25-360.

N/A

Describe any existing, flow-dependent beneficial uses along the affected stream reach. Include both instream and offstream uses. Describe the stream flow necessary to protect existing beneficial uses, how the proposed withdrawal will impact existing beneficial uses, and any measures proposed to mitigate any adverse impacts that may arise. For projects that propose a transfer of water resources from the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, this analysis should include both the source and receiving basins. For the purposes of this application, beneficial instream uses include, but are not limited to, the protection of fish and wildlife habitat; maintenance of waste assimilation; recreation; navigation; and cultural and aesthetic values. Offstream beneficial uses include, but are not limited to, domestic uses (including public water supply); agricultural uses; electric power generation; commercial uses; and industrial uses.

N/A

Describe the aquatic life known to be present along the affected stream reach. Describe aquatic life that may be impacted by the proposed water withdrawal. Include the species' habitat requirements. For projects that propose a transfer of water resources from either the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, this analysis should include both the source and receiving basins.

N/A

26. PUBLIC COMMENTS/ISSUES FOR MAJOR WATER WITHDRAWALS OR INTERBASIN TRANSFERS

For new or expanded surface water supply projects, use separate sheets of paper to summarize the steps taken to seek public input per 9VAC25-210-320, and identify the issues raised during the public information process.

For transfer of water resources proposed from either the Chowan River, New River, Potomac River, Roanoke River, Big Sandy River, or Tennessee River basins to another river basin, if public input was not required per 9VAC25-210-320, summarize on separate sheets of paper any coordination and/or notice provided to the public, local/state government, and interested parties in the affected river basins and identify any issues raised.

APPENDIX C

Chesapeake Bay Preservation Act Information

Please answer the following questions to determine if your project is subject to the requirements of the Bay Act Regulations:

1. Is your project located within Tidewater Virginia? ___ Yes No (See map on page 31) - If the answer is "no", the Bay Act requirements do not apply; if "yes", then please continue to question #2.
2. Please indicate if the project proposes to impact any of the following Resource Protection Area (RPA) features:
 - ___ Tidal wetlands,
 - ___ Nontidal wetlands connected by surface flow and contiguous to tidal wetlands or water bodies with perennial flow,
 - ___ Tidal shores,
 - ___ Other lands considered by the local government to meet the provisions of subsection A of 9VAC25-830-80 and to be necessary to protect the quality of state waters (contact the local government for specific information),
 - ___ A buffer area not less than 100 feet in width located adjacent to and landward of the components listed above, and along both sides of any water body with perennial flow.

If the answer to question #1 was "yes" and any of the features listed under question #2 will be impacted, compliance with the Chesapeake Bay Preservation Area Designation and Management Regulations is required. **The Chesapeake Bay Preservation Area Designation and Management Regulations** are enforced through locally adopted ordinances based on the Chesapeake Bay Preservation Act (CBPA) program. Compliance with state and local CBPA requirements mandates the submission of a **Water Quality Impact Assessment (WQIA)** for the review and approval of the local government. Contact the appropriate local government office to determine if a WQIA is required for the proposed activity(ies).

The individual localities, not the DEQ, USACE, or the Local Wetlands Boards, are responsible for enforcing the CBPA requirements and, therefore, local permits for land disturbance are not issued through this JPA process. **Approval of this wetlands permit does not constitute compliance with the CBPA regulations nor does it guarantee that the local government will grant approval for encroachments into the RPA that may result from this project.**

Notes for all projects in RPAs

Development, redevelopment, construction, land disturbance, or placement of fill within the RPA features listed above requires the approval of the locality and may require an exception or variance from the local Bay Act ordinance. Please contact the appropriate local government to determine the types of development or land uses that are permitted within RPAs.

Pursuant to 9VAC25-830-110, *on-site delineation of the RPA is required for all projects in CBPAs*. Because USGS maps are not always indicative of actual "in-field" conditions, they may not be used to determine the site-specific boundaries of the RPA.

Notes for shoreline erosion control projects in RPAs

Re-establishment of woody vegetation in the buffer will be required by the locality to mitigate for the removal or disturbance of buffer vegetation associated with your proposed project. Please contact the local government to determine the mitigation requirements for impacts to the 100-foot RPA buffer.

Pursuant to 9VAC25-830-140 5 a (4) of the Virginia Administrative Code, shoreline erosion projects are a permitted modification to RPAs provided that the project is based on the "best technical advice" and complies with applicable permit conditions. In accordance with 9VAC25-830-140 1 of the Virginia Administrative Code, the locality will use the information provided in this Appendix, in the project drawings, in this permit application, and as required by the locality, to make a determination that:

1. Any proposed shoreline erosion control measure is necessary and consistent with the nature of the erosion occurring on the site, and the measures have employed the "best available technical advice"
2. Indigenous vegetation will be preserved to the maximum extent practicable
3. Proposed land disturbance has been minimized
4. Appropriate mitigation plantings will provide the required water quality functions of the buffer (9VAC25-830-140 3)
5. The project is consistent with the locality's comprehensive plan
6. Access to the project will be provided with the minimum disturbance necessary.