



August 21, 2015

Mr. Alex Faught  
Lands Program Manager  
George Washington and Jefferson National Forests  
5162 Valleypointe Parkway  
Roanoke, VA 24019

**Subject: Mountain Valley Pipeline Project SF-299 Modification**

Dear Mr. Faught,

On May 12, 2015, Mountain Valley Pipeline, LLC, received approval from the U.S. Forest Service to survey multiple locations on U.S. Forest Service lands (#BBW433301T). Since that time, the U.S. Forest Service has acquired a parcel of land from AEP for which survey if necessary, two additional alternative routes were identified, and continuing development has identified the need for an access road within U.S. Forest Service lands. Additional information on these areas is provided in the enclosed SF-299 Application modification. We are therefore pleased to submit this modification for permission to conduct environmental surveys for these areas. An electronic version of this application was sent on Tuesday, August 21, 2015.

If you have questions or would like additional information please contact me at 304-841-2086 ([MNeylon@egt.com](mailto:MNeylon@egt.com)), or Sean Sparks at 617-443-7565 ([sean.sparks@tetrattech.com](mailto:sean.sparks@tetrattech.com)).

Sincerely,

A handwritten signature in blue ink that reads "Megan Landfried Neylon".

Megan Landfried Neylon  
Senior Environmental Coordinator

cc: John Centofanti, EQT Corporation  
Blayne Gunderman, NextEra Energy Resources, LLC  
Sean Sparks, Tetra Tech

**APPLICATION FOR TRANSPORTATION AND  
 UTILITY SYSTEMS AND FACILITIES  
 ON FEDERAL LANDS**

FORM APPROVED  
 OMB Control Number: 0596-0082  
 Expiration Date: 1/31/2017

FOR AGENCY USE ONLY

NOTE: Before completing and filing the application, the applicant should completely review this package and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.

Application Number
Date Filed
3. Telephone (area code)
Applicant 412.395.3305
Authorized Agent 617.443.7565

1. Name and address of applicant (*include zip code*)

Mountain Valley Pipeline, LLC  
 Attn: John Centofani, EQT Gathering, LLC  
 625 Liberty Avenue, Suite 1700  
 Pittsburgh, PA 15222

2. Name, title, and address of authorized agent if different from item 1 (*include zip code*)

Tetra Tech, Inc.  
 Attn: Sean Sparks, Project Manager  
 160 Federal Street, 3rd Floor  
 Boston, MA 02110

4. As applicant are you? (*check one*)

a.  Individual  
 b.  Corporation\*  
 c.  Partnership/Association\*  
 d.  State Government/State Agency  
 e.  Local Government  
 f.  Federal Agency

*\* If checked, complete supplemental page*

5. Specify what application is for: (*check one*)

a.  New authorization  
 b.  Renewing existing authorization No.  
 c.  Amend existing authorization No. BBW433301T  
 d.  Assign existing authorization No.  
 e.  Existing use for which no authorization has been received \*  
 f.  Other\*

*\* If checked, provide details under item 7*

6. If an individual, or partnership are you a citizen s) of the United States?  Yes  No

7. Project description (describe in detail): (a) Type of system or facility, (*e.g., canal, pipeline, road*); (b) related structures and facilities; (c) physical specifications (*Length, width, grading, etc.*); (d) term of years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for construction (*Attach additional sheets, if additional space is needed.*)

Mountain Valley Pipeline, LLC (MVP), a joint venture of EQT Corporation and a subsidiary of NextEra Energy, Inc., is submitting this application as an addendum to two previous SF-299 applications submitted on November 24, 2014 and March 4, 2015, respectively. The Special Use Authorization for those applications was executed on May 12, 2015. MVP is seeking authorization from the Federal Energy Regulatory Commission (FERC) pursuant to Section 7(c) of the Natural Gas Act to construct and operate the proposed Mountain Valley Pipeline Project (Project) located in various counties in West Virginia and Virginia. MVP plans to construct an a 294.1-mile, 42-inch diameter natural gas pipeline to allow producers and end-users a direct route to transport new gas supplies to meet the growing need for natural gas in the southeastern United States. MVP has met with agencies, landowners, and other interested parties throughout the development process and has continued to evaluate the proposed route and alternatives.

Construction is anticipated to begin 1st quarter 2017 and conclude fourth quarter 2018. Construction within U.S. Forest Service land will be much shorter and MVP will work with the U.S. Forest Service to determine the best time to complete construction.

See Attachments A and B for additional information.

8. Attach a map covering area and show location of project proposal

9. State or Local government approval:  Attached  Applied for  Not Required

10. Nonreturnable application fee:  Attached  Not required

11. Does project cross international boundary or affect international waterways?  Yes  No (*if "yes," indicate on map*)

12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested.

MVP's partnership has extensive experience building and operating natural gas pipelines and associated facilities. Through its Midstream subsidiaries and related companies, EQT owns and operates over 10,400 miles of natural gas pipeline in Pennsylvania, Kentucky, and West Virginia, providing Appalachian Basin producers with over 3 billion cubic feet per day (Bcf/d) of gathering and transmission capacity with interconnectivity into seven interstate pipelines and multiple distribution companies. EQT's fully integrated midstream engineering and design team has constructed over 1,200 miles of pipeline and installed over 150,000 horsepower (HP) since 2008 and continues to operate one of the largest suites of storage facilities in the Appalachian Basin.

---

13a. Describe other reasonable alternative routes and modes considered.

A detailed routing analysis was performed in May, 2014 that analyzed 94 corridor segments including 2,362 miles of alternative routes including several alternate locations to cross the Jefferson National Forest. There are no routes from the origination of the pipeline to its terminus that would not cross the National Forest System (NFS) lands. The proposed location was the shortest crossing distance identified with the least disturbance and an opportunity to co-locate.

---

b. Why were these alternatives not selected?

This alternative was selected because it was the shortest crossing of NFS lands and one of the most direct routes to get from the origination of the Project to its terminus. The proposed alternative route was also selected due to constructability of the pipeline and constraints identified along the proposed route paralleling the transmission line. Other crossing locations were evaluated and found prohibitive due to the steep terrain and other environmental concerns.

---

c. Give explanation as to why it is necessary to cross Federal Lands.

There is no potential route to deliver gas from the Project's origination to its terminus without crossing federal lands. The pipeline route runs in a generally southwest direction while federal lands are southwest to northeast with no gaps that would allow for pipeline construction.

---

14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. *(Specify number, date, code, or name)*

Mountain Valley Pipeline, LLC is not aware of any pending applications which may provide information for the authorizing agency. Several projects that are similar facility types are proposing projects that cross U.S. Forest Service lands; however, Mountain Valley Pipeline, LLC is not aware if they have filed an application at this time.

---

15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.

See purpose and need statement in Attachment B.

---

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

The proposed surveys will not affect the population of the area, their economic aspects, or the rural lifestyle.

---

17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.

The surveys will not affect any of the resources described.

---

18. Describe the probable effects that the proposed project will have on (a) populations of fish, plantlife, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.

Harp trapping and mist netting may be required for the bat surveys. No population effects are expected. No threatened or endangered plants will be collected during surveys. There will be no impacts from the other surveys.

---

19. State whether any hazardous material, as defined in this paragraph, will be used, produced, transported or stored on or within the right-of-way or any of the right-of-way facilities, or used in the construction, operation, maintenance or termination of the right-of-way or any of its facilities. "Hazardous material" means any substance, pollutant or contaminant that is listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulations. The definition of hazardous substances under CERCLA includes any "hazardous waste" as defined in the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous materials also includes any nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCLA Section 101(14), 42 U.S.C. 9601(14), nor does the term include natural gas.

No Hazardous Materials will be used or stored during surveys.

---

20. Name all the Department(s)/Agency(ies) where this application is being filed.

This application is not being filed with any other agencies.

---

I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

---

Signature of Applicant

Date

8/12/15

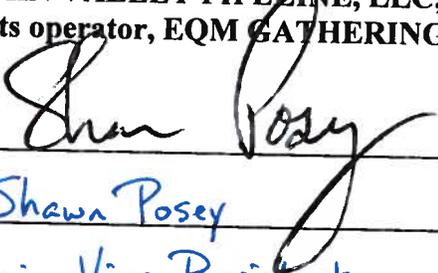
---

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

---

IN WITNESS WHEREOF, Mountain Valley Pipeline, LLC, by and through its operator, EQM Gathering Opco, LLC, has executed this Application for Transportation and Utility Systems and Facilities on Federal Lands (the "Application") as of the date set forth on the Application.

**MOUNTAIN VALLEY PIPELINE, LLC, by and  
through its operator, EQM GATHERING OPCO, LLC:**

By: 

Name: Shawn Posey

Title: Senior Vice President

YPA

GENERAL INFORMATION  
ALASKA NATIONAL INTEREST LANDS

This application will be used when applying for a right-of-way, permit, license, lease, or certificate for the use of Federal lands which lie within conservation system units and National Recreation or Conservation Areas as defined in the Alaska National Interest lands Conservation Act. Conservation system units include the National Park System, National Wildlife Refuge System, National Wild and Scenic Rivers System, National Trails System, National Wilderness Preservation System, and National Forest Monuments.

Transportation and utility systems and facility uses for which the application may be used are:

1. Canals, ditches, flumes, laterals, pipes, pipelines, tunnels, and other systems for the transportation of water.
2. Pipelines and other systems for the transportation of liquids other than water, including oil, natural gas, synthetic liquid and gaseous fuels, and any refined product produced therefrom.
3. Pipelines, slurry and emulsion systems, and conveyor belts for transportation of solid materials.
4. Systems for the transmission and distribution of electric energy.
5. Systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communications.
6. Improved right-of-way for snow machines, air cushion vehicles, and all-terrain vehicles.
7. Roads, highways, railroads, tunnels, tramways, airports, landing strips, docks, and other systems of general transportation.

This application must be filed simultaneously with each Federal department or agency requiring authorization to establish and operate your proposal.

In Alaska, the following agencies will help the applicant file an application and identify the other agencies the applicant should contact and possibly file with:

Department of Agriculture  
Regional Forester, Forest Service (USFS)  
Federal Office Building,  
P.O. Box 21628  
Juneau, Alaska 99802-1628  
Telephone: (907) 586-7847 (or a local Forest Service Office)

Department of the Interior  
Bureau of Indian Affairs (BIA)  
Juneau Area Office  
Federal Building Annex  
9109 Mendenhall Mall Road, Suite 5  
Juneau, Alaska 99802  
Telephone: (907) 586-7177

Department of the Interior  
Bureau of Land Management  
222 West 7th Avenue  
P.O. Box 13  
Anchorage, Alaska 99513-7599  
Telephone: (907) 271-5477 (or a local BLM Office)

U.S. Fish & Wildlife Service (FWS) Office of the Regional Director 1011 East Tudor Road Anchorage, Alaska 99503 Telephone: (907) 786-3440	National Park Service (NPA) Alaska Regional Office, 2225 Gambell St., Rm. 107 Anchorage, Alaska 99502-2892 Telephone: (907) 786-3440
---	--

Note - Filings with any Interior agency may be filed with any office noted above or with the Office of the Secretary of the Interior, Regional Environmental Office, P.O. Box 120, 1675 C Street, Anchorage, Alaska 9513.

Department of Transportation  
Federal Aviation Administration  
Alaska Region AAL-4, 222 West 7th Ave., Box 14  
Anchorage, Alaska 99513-7587  
Telephone: (907) 271-5285

NOTE - The Department of Transportation has established the above central filing point for agencies within that Department. Affected agencies are: Federal Aviation Administration (FAA), Coast Guard (USCG), Federal Highway Administration (FHWA), Federal Railroad Administration (FRA).

OTHER THAN ALASKA NATIONAL INTEREST LANDS

Use of this form is not limited to National Interest Conservation Lands of Alaska.

Individual department/agencies may authorize the use of this form by applicants for transportation and utility systems and facilities on other Federal lands outside those areas described above.

For proposals located outside of Alaska, applications will be filed at the local agency office or at a location specified by the responsible Federal agency.

SPECIFIC INSTRUCTIONS

*(Items not listed are self-explanatory)*

- 7 Attach preliminary site and facility construction plans. The responsible agency will provide instructions whenever specific plans are required.
- 8 Generally, the map must show the section(s), township(s), and range(s) within which the project is to be located. Show the proposed location of the project on the map as accurately as possible. Some agencies require detailed survey maps. The responsible agency will provide additional instructions.
- 9, 10, and 12 The responsible agency will provide additional instructions.
- 13 Providing information on alternate routes and modes in as much detail as possible, discussing why certain routes or modes were rejected and why it is necessary to cross Federal lands will assist the agency(ies) in processing your application and reaching a final decision. Include only reasonable alternate routes and modes as related to current technology and economics.
- 14 The responsible agency will provide instructions.
- 15 Generally, a simple statement of the purpose of the proposal will be sufficient. However, major proposals located in critical or sensitive areas may require a full analysis with additional specific information. The responsible agency will provide additional instructions.
- 16 through 19 Providing this information in as much detail as possible will assist the Federal agency(ies) in processing the application and reaching a decision. When completing these items, you should use a sound judgment in furnishing relevant information. For example, if the project is not near a stream or other body of water, do not address this subject. The responsible agency will provide additional instructions.

Application must be signed by the applicant or applicants authorized representative.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is voluntary. If all the information is not provided, the application may be rejected.

DATA COLLECTION STATEMENT

The Federal agencies collect this information from applicants requesting right-of-way, permit, license, lease, or certification for the use of Federal lands. The Federal agencies use this information to evaluate the applicants proposal. The public is obligated to submit this form if they wish to obtain permission to use Federal lands.

**SUPPLEMENTAL**

NOTE: The responsible agency(ies) will provide instructions	CHECK APPROPRIATE BLOCK	
	ATTACHED	FILED*
<b>I - PRIVATE CORPORATIONS</b>		
a. Articles of Incorporation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Corporation Bylaws	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. A certification from the State showing the corporation is in good standing and is entitled to operate within the State	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The name and address of each shareholder owning 3 percent or more of the shares, together with the number and percentage of any class of voting shares of the entity which such shareholder is authorized to vote and the name and address of each affiliate of the entity together with, in the case of an affiliate controlled by the entity, the number of shares and the percentage of any class of voting stock of that affiliate owned, directly or indirectly, by that entity, and in the case of an affiliate which controls that entity, the number of shares and the percentage of any class of voting stock of that entity owned, directly or indirectly, by the affiliate.	<input type="checkbox"/>	<input type="checkbox"/>
f. If application is for an oil or gas pipeline, describe any related right-of-way or temporary use permit applications, and identify previous applications.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. If application is for an oil and gas pipeline, identify all Federal lands by agency impacted by proposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>II - PUBLIC CORPORATIONS</b>	<input type="checkbox"/>	<input type="checkbox"/>
a. Copy of law forming corporation	<input type="checkbox"/>	<input type="checkbox"/>
<b>b. Proof of organization</b>	<input type="checkbox"/>	<input type="checkbox"/>
c. Copy of Bylaws	<input type="checkbox"/>	<input type="checkbox"/>
d. Copy of resolution authorizing filing	<input type="checkbox"/>	<input type="checkbox"/>
e. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.	<input type="checkbox"/>	<input type="checkbox"/>
<b>III - PARTNERSHIP OR OTHER UNINCORPORATED ENTITY</b>	<input type="checkbox"/>	<input type="checkbox"/>
a. Articles of association, if any	<input type="checkbox"/>	<input type="checkbox"/>
b. If one partner is authorized to sign, resolution authorizing action is	<input type="checkbox"/>	<input type="checkbox"/>
c. Name and address of each participant, partner, association, or other	<input type="checkbox"/>	<input type="checkbox"/>
d. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.	<input type="checkbox"/>	<input type="checkbox"/>

\*If the required information is already filed with the agency processing this application and is current, check block entitled "Filed." Provide the file identification information (e.g., number, date, code, name). If not on file or current, attach the requested information.

## NOTICES

Note: This applies to the Department of Agriculture/Forest Service (FS)

This information is needed by the Forest Service to evaluate the requests to use National Forest System lands and manage those lands to protect natural resources, administer the use, and ensure public health and safety. This information is required to obtain or retain a benefit. The authority for that requirement is provided by the Organic Act of 1897 and the Federal Land Policy and Management Act of 1976, which authorize the secretary of Agriculture to promulgate rules and regulations for authorizing and managing National Forest System lands. These statutes, along with the Term Permit Act, National Forest Ski Area Permit Act, Granger-Thye Act, Mineral Leasing Act, Alaska Term Permit Act, Act of September 3, 1954, Wilderness Act, National Forest Roads and Trails Act, Act of November 16, 1973, Archeological Resources Protection Act, and Alaska National Interest Lands Conservation Act, authorize the Secretary of Agriculture to issue authorizations or the use and occupancy of National Forest System lands. The Secretary of Agriculture's regulations at 36 CFR Part 251, Subpart B, establish procedures for issuing those authorizations.

### BURDEN AND NONDISCRIMINATION STATEMENTS

*According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082. The time required to complete this information collection is estimated to average 8 hours hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.*

*The U. S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an LQGLYLGX1301fp\* is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact 8617V TARGET Center at 202-720- 2600 (voice and TDD).*

*To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.*

The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

I-f

Previous applications were filed on November 24, 2014 and March 4, 2015 and permission was executed on May 12, 2015 for the requested areas. This application is for survey permission only for the newly acquired U.S. Forest Service parcel formerly owned by AEP, for a two proposed alternative routes that are being evaluated. One of the alternatives is largely in an area previously approved by the U.S. Forest Service for survey (#BBW433301T); however, two small additional areas on the southern end of the route require approval. In addition, an access road will require survey. MVP will file for a right-of-way permit once surveys have been complete and the route has been finalized.

I-g

No other federal lands as defined by USC 30 Section 185 (b) have been identified as being crossed by the Project.

---

## Attachment A

---

The purpose of this request is to conduct field surveys for the Mountain Valley Pipeline (MVP). MVP is requesting survey permission for a 1,000-foot corridor (500 feet to each side of the centerline). Figures 1 and 2 provide location information for areas where MVP is requesting survey permission in addition to the areas requested in the November 24, 2014 and March 4, 2015 SF-299 application which was executed on May 12, 2015. Table 1 below outlines surveys potentially required and timing windows.

Surveys will consist of identifying the centerline, wetland and waterbody delineations, cultural resources surveys (performed by USFS personnel), rare, threatened or endangered species surveys, and soil surveys, as required. Weather permitting, MVP plans to begin these surveys in August and continue through October 2015. It is anticipated that each crew would have 3-4 surveyors, and only one crew per survey type would conduct work on U.S. Forest Service (USFS) lands. Access to USFS lands will be from public roadways or as advised by the USFS. Vehicles will be staged at the entry and exit locations to allow crews greater efficiency during survey.

Crews will walk the route; therefore no ATVs or other motorized equipment will be used to cross USFS lands. Biodegradable flags will be left behind for the wetland and waterbody delineations if features are identified. There will be no ground disturbing activities aside from test pits for wetland surveys and shovel tests for cultural resource surveys. Test pits for wetland surveys will be approximately 4-6 inches in diameter and 18 inches deep. Shovel tests for cultural resource surveys will be 11-12 inches in diameter and will be excavated to water, subsoil, bedrock, or 32 inches in depth. All test pits and shovel tests will be backfilled immediately after the survey is complete and before crews leave the survey area each day. All test pits, shovel tests, and flags will be recorded on a Global Positioning System unit.

Rare, threatened or endangered species surveys potentially required include surveys for bats, mussels, fish, reptiles, and plants. Table 1 below outlines surveys potentially required for specific rare, threatened or endangered species.

Survey	Survey Window	Notes
Wetland and Waterbody Delineations	August-October 2015	Weather permitting.
Cultural Resources Surveys <sup>1</sup>	August-October 2015	Weather permitting.
Indiana Bat/Northern Myotis (if necessary)	November 2014 - October 15, 2015	Habitat Survey/Portal Searches (August-September 2015).
		Portal Sampling/Harp Trapping (April 1-May 2015 or September 15-October 15, 2015); if required.
		Hibernacula Surveys (January-February 2016); if required.
		Mist Netting (Survey approval-August 15, 2015).
Mussels	May 1 - October 1, 2015	Presence/Absence surveys and possible relocations prior to the start of construction.
Northern Bulrush	Survey approval – September 30, 2015	
USFS Sensitive Plant	Survey approval – end August 2015	

Survey	Survey Window	Notes
Species		
Avian Habitat Assessments	Survey approval – end August 2015	Assessments will be for peregrine falcon, bald eagle, migrant loggerhead shrike, and Bewick’s wren.
Soil Surveys	August-October 2015	Weather permitting.
<sup>1</sup> Cultural surveys to be conducted by USFS personnel.		

All surveys will be conducted per authorization and consultation with the U. S. Fish and Wildlife Service and Virginia Department of Game and Inland Fisheries. In an effort to reduce the number of site visits, surveys will be made concurrent with one another when possible.

A detailed NRCS map of soil types with road crossings (potential road cuts) and other anthropogenic features will be developed. On this map at least 15 locations (number of soil types so far identified) will be marked for intrusive work. These 15 locations could be expanded based on the mapping identified by NRCS mapping or in the field when unique field surface features are identified (road cuts). The field team will consist of one soil scientist and one geologist. The purpose of the field team is to transverse the route digging at the assigned locations or other areas determined by these trained scientists. Soil logging will be done in each location, dug to a depth of 40 inches or refusal by soil spades. Each hole will be evaluated by NRCS protocol and include at a minimum; soil horizon, soil horizon thickness, texture, color, soil pH and slope, as well as to verify or not the mapped soil unit, this data will be recorded in field notebooks. Photographs of the hole highlighting soil horizon will be taken, along with photographs of hole closer. Geologic logging will identify historic landslides, seeps or groundwater breakout. In areas of bedrock outcrop, rock type and fracture patterns will be verified. The holes dug during the surveys will be backfilled after the completion of the field analysis.

## **Attachment B**

Mountain Valley Pipeline Project

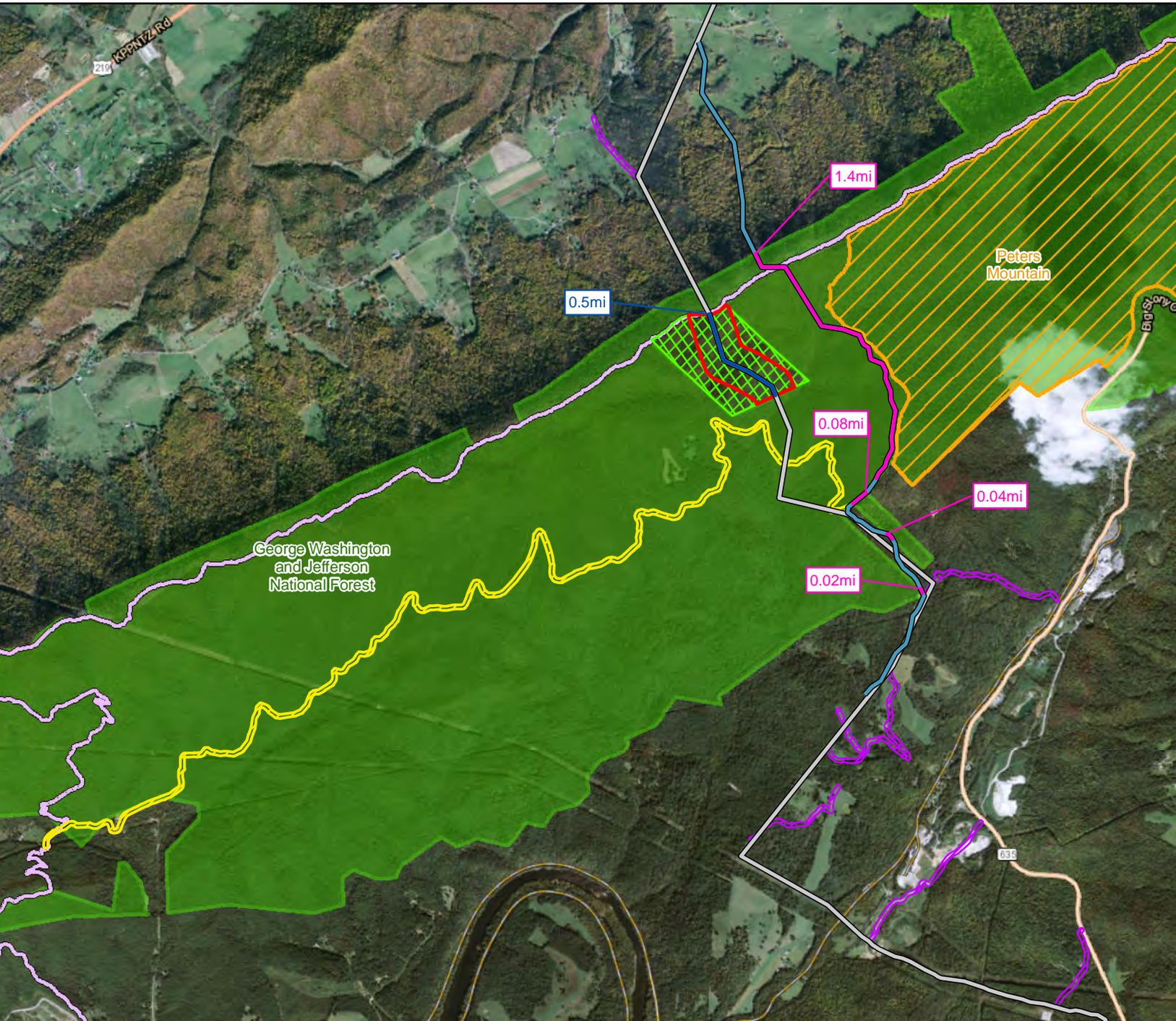


**FIGURE 1**  
**Proposed Pipeline Route**  
**Jefferson National Forest Crossing**

August 2015

**Legend**

-  Proposed Route
-  Proposed Route Alternative
-  Proposed Route Crossing Newly Acquired USFS Property
-  Proposed Route Alternative Crossing USFS Property
-  Proposed Access Road
-  Proposed Pocahontas Road 100ft Survey Corridor
-  Proposed 1000ft Survey Corridor
-  Newly Acquired USFS Property
-  Appalachian Trail
-  Peters Mountain
-  National Forest Boundary



1:40,000

NAD 1983 UTM 17N



Data Sources: Appalachian Trail Conservancy, VA DCR, USDA, ESRI Streaming Data.

Document Path: P:\EQT\Equitrans\MWP\Project\GIS\Spatial\MXD\07\_SF\_289\_Submittals\20150828\_SF\_289\_Updates\Fig1\_JNF\_Crossing1.mxd

Mountain Valley Pipeline Project



**FIGURE 2**  
**Alternative 200**  
**Jefferson National Forest**  
**Crossings**

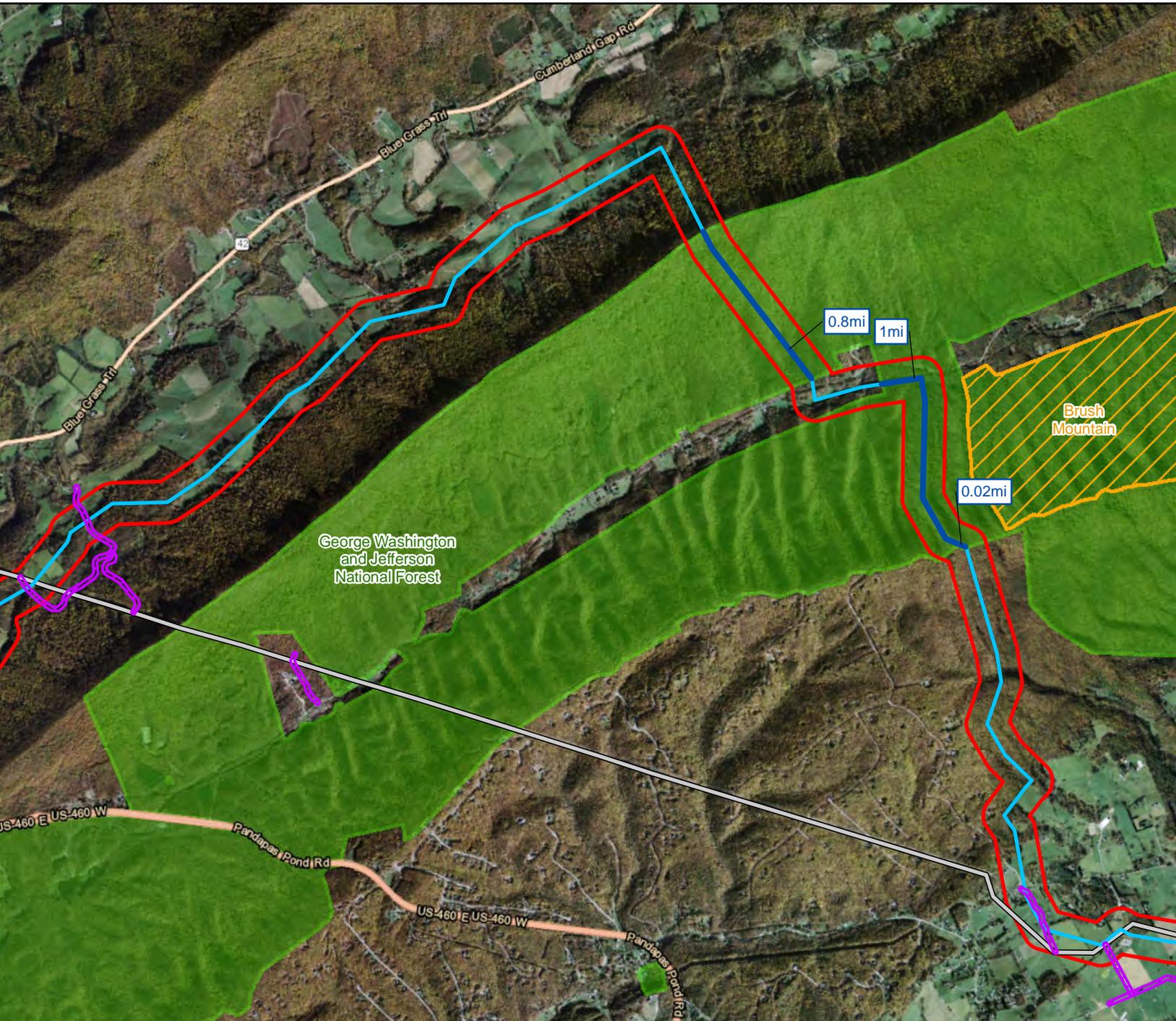
August 2015

**Legend**

- Proposed Access Road
- Alternative 200 Crossing USFS Land
- Alternative 200
- Proposed Pipeline Route
- Proposed 1000ft Survey Corridor
- Conserved Land
- National Forest Boundary



Data Sources: Appalachian Trail Conservancy, VA DCR, USDA, ESRI Streaming Data.



1:40,000

NAD 1983 UTM 17N

0 0.5 1 2 Miles

Document Path: P:\EQT\Equitrans\MWP\Project\GIS\Spatial\MXD\07\_SF\_289\_Submittals\20150817\_SF\_289\_Updates\Fig\_200\_Crossing\_Alternative200\_v2.mxd

The purpose of this SF-299 filing is to conduct wetland and waterbody delineations, cultural resource surveys, and rare, threatened and endangered species surveys to identify sensitive resource areas that the development of a natural gas pipeline could impact. These surveys are in support of the Mountain Valley Pipeline Project, a new interstate natural gas pipeline, whose purpose and need are stated below.

The Mountain Valley Pipeline (MVP) Project's purpose is to initially transport up to 2 billion cubic feet per day (Bcf/d) of natural gas from the Marcellus and Utica regions to growing markets in the mid-Atlantic and southeastern U.S. The Project will provide timely, cost-effective access to the growing demand for natural gas for use by local distribution companies, industrial users, and power generation facilities in the Appalachian, Mid-Atlantic and southeastern markets.

In recent years the North American natural gas market has seen enormous growth in production and demand. The Energy Information Agency projects that U.S. total natural gas consumption will increase from 25.6 trillion cubic feet (Tcf) in 2012 to 31.6 Tcf in 2040, with a large portion of this increased demand occurring in the electric generation sector. A sizable portion of this growth in production is occurring in the Marcellus and Utica regions, with Marcellus production alone increasing from 2 Bcf/d in 2010 to over 15 Bcf/d in July 2014. Likewise, the increased demand for natural gas is expected to be especially high in the southeastern U.S, as new environmental regulations result in coal-fired generation plants being converted or replaced by natural gas fired generation plants. The infrastructure design of the MVP Project is expected to benefit these regions by connecting the production supply to the market demand. In doing so, MVP will bring clean-burning, domestic produced natural gas supplies from the Marcellus and Utica shale regions and connect it to the demand markets to increase from the prolific Marcellus and Utica shale plays in order to support the growing demand for clean-burning natural gas, provide increased supply diversity, and improve supply reliability to these growing markets. MVP may also allow for additional uses of natural gas in south central West Virginia and southwest Virginia to develop by providing an open access pipeline that will allow interconnects and subsequent economic development associated with having access to affordable gas supplies, as these areas currently have limited interstate pipeline capacity.

## **Supplemental I – Private Corporations**

---

# Delaware

PAGE 1

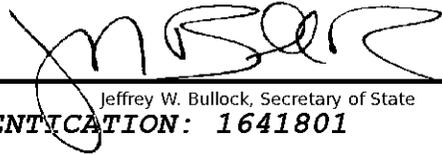
*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "MOUNTAIN VALLEY PIPELINE, LLC", FILED IN THIS OFFICE ON THE TWENTY-SECOND DAY OF AUGUST, A.D. 2014, AT 11:02 O'CLOCK A.M.

5580929 8100

141099897



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 1641801

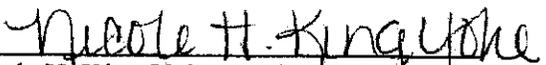
DATE: 08-22-14

**CERTIFICATE OF FORMATION  
OF  
MOUNTAIN VALLEY PIPELINE, LLC**

The undersigned, being authorized to execute and file this Certificate, hereby certifies that:

- FIRST:** The name of the limited liability company (hereafter referred to as the "Company") is Mountain Valley Pipeline, LLC.
- SECOND:** The address of the registered office of the Company is: Corporate Trust Center 1209 Orange Street, in the City of Wilmington, County of New Castle, State of Delaware. The name of the registered agent at such address is The Corporation Trust Company.
- THIRD:** As permitted by Section 18-215 of the Limited Liability Company Act, the Company may have one or more series. The debts, liabilities, obligations and expenses incurred, contracted for or otherwise existing with respect to a particular series, whether now existing or hereafter established, shall be enforceable against the assets of that series only, and not against the assets of the Company generally or any other series thereof, and none of the debts, liabilities, or obligations and expenses incurred, contracted for, or otherwise existing with respect to the Company generally or any other series thereof shall be enforceable against the assets of the particular series in question.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation this 21<sup>st</sup> day of August, 2014.

  
\_\_\_\_\_  
Nicole H. King Yohe, Authorized Person

# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "MOUNTAIN VALLEY PIPELINE, LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE NINETEENTH DAY OF NOVEMBER, A.D. 2014.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE NOT BEEN ASSESSED TO DATE.

5580929 8300

141430724



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 1880950

DATE: 11-19-14