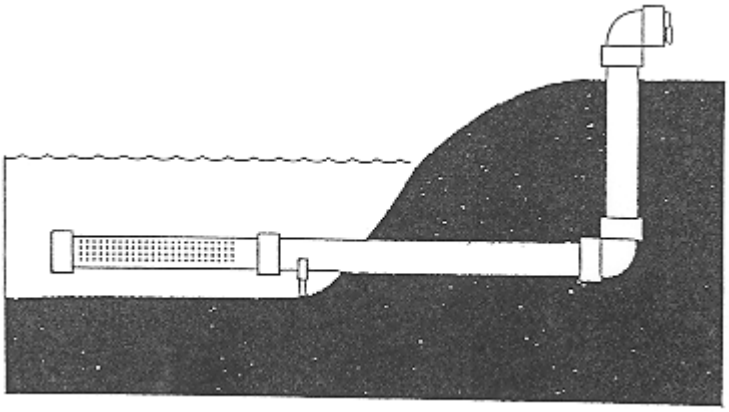
# Virginia
# Department of Forestry
# DRY FIRE HYDRANT
# GRANT PROGRAM APPLICATION

## Energy Conservation and Improved Fire Protection



**APPLICATION DEADLINE:**

**March 31, 2009**

**SUBMIT TO:**

**Virginia Department of Forestry**
**Dry Fire Hydrant Program**
**Fontaine Research Park**
**900 Natural Resources Drive, Suite 800**
**Charlottesville, Virginia 22903**

Carl E. Garrison III
State Forester

# COMMONWEALTH of VIRGINIA

**DEPARTMENT OF FORESTRY**
900 Natural Resources Drive, Suite 800
Charlottesville, VA 22903
www.dof.virginia.gov
(434) 977-6555
Fax: (434) 296-2369

February 12, 2009

TO: Virginia Fire Departments

FROM: Phil Carpenter, Program Manager, Resource Protection

REF: Dry Fire Hydrant Grants

CC: Virginia Department of Fire Programs
Regional Foresters

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Please find enclosed the Dry Fire Hydrant Grant application for the 2009-2010 grant cycle. Please note that the deadline for your applications to be submitted to the Virginia Department of Forestry is **March 31, 2009**.

Each Fire Department may submit up to three (3) applications, please note the site location priority. We will fund as many hydrants as the budget allows. If funding is not available, your secondary choices will become alternates in case your top priority site is not suitable. Please note the requirements of the applications, specifically the inclusion of the maps. A county map section showing the general location is acceptable. However, a sketch map showing the site and proposed location of the hydrant on the water source is also required. Incomplete applications may cause delays that could postpone funding in the current grant year.

We will again have the ability to provide assistance toward the repair of existing dry fire hydrants, which for a number of reasons have become inoperable. A portion of the dry fire hydrant funds will be utilized for these repair type projects as they are encountered. Fire Departments that have a repair-type need should contact us directly to discuss the issue and determine an acceptable course of action.

We look forward to working with you on your dry fire hydrant projects.

# Virginia Department of Forestry
# DRY FIRE HYDRANT GRANT PROGRAM

## INTRODUCTION

The Virginia Dry Fire Hydrant Grant Program is funded under the 1995 Fire Programs Fund Bill; adopted in 1995 by the Virginia General Assembly with the intent of improving fire protection and conserving energy. The program is administered jointly by the Virginia Department of Forestry and Department of Fire Programs with the assistance of an advisory committee.

## ELIGIBLE GRANTEES

Fire departments listed with the Department of Fire Programs are eligible to apply for Dry Fire Hydrant Grants.

## OBJECTIVES AND FUNDING CRITERIA

- Demonstrated need supported by a county map indicating proposed dry fire hydrant locations and any existing drafting sources along with complete site information.
- Documentation indicating necessary permits or waivers thereof.
- Briefly describe, on a separate sheet of paper, the cost benefits and energy savings provided by the installation of the proposed dry fire hydrant. This description needs to focus on the reduction of fire losses, savings in fuel cost, and the maximizing of your firefighting resources. Include with the grant application.

## INELIGIBLE PROPOSALS

The program is for dry fire hydrants not currently being funded, and is not intended as a substitute for existing funded projects. The focus of the program is to support new initiatives, which would not otherwise occur.

## DRY FIRE HYDRANT REFERENCES

National Fire Protection Association Standard 1142 (Standard on Water Supplies for Suburban and Rural Fire Fighting) and Dry Fire Hydrant Manual, USDA Forest Service may be referenced for technical information.

## PERMITS & PROFFERS

It is the responsibility of the Fire Department making application for a Dry Fire Hydrant Grant to research and obtain any applicable federal, state, and/or local permits which may affect installation of the proposed dry fire hydrant. Applicable permits may cover property issues such as easements and right-of-ways, as well as streambank disturbance or other environmental/conservation issues. In addition to permits there may also be applicable proffers (agreements between a locality and a developer) that need to be considered.

Some good places to start in a search for applicable permits and/or proffers include the local county administration office, the local planning district commission, and the local soil and water conservation district office.

## APPLICATION DEADLINE: March 31, 2009

**SUBMIT TO:** **Virginia Department of Forestry**
**Dry Fire Hydrant Program**
**Fontaine Research Park**
**900 Natural Resources Drive, Suite 800**
**Charlottesville, Virginia 22903**

☐ Approved ☐ Tentatively Approved ☐ Denied

_____ *DOF Authorized Signature*

_____ *Date*

_____ *Dry Fire Hydrant Grant Number*

**FOR VDOF OFFICE USE ONLY**

# AGREEMENT FOR DRY FIRE HYDRANT GRANT

**Date:** _____

**FDID #** _____
(5 digit number)

**FIN #** _____
(9 digit number)

**Name of Fire Department:**

**Address:**

**County/City/Town:**

**Project Manager:** _____

**E-Mail:** _____

**Phone Numbers:** Fire Station: _____ Work: _____

Pager: _____ Home: _____

The above named fire department hereby makes application for a Dry Fire Hydrant Grant, administered jointly by the Virginia Department of Forestry and the Department of Fire Programs. The fire department agrees to comply with all requirements of the Grant program, including the following regulations, and all policies, guidelines, and requirements, both federal and state as they apply to this application and Grant, should the Grant be made to the fire department.

1. The fire department possesses legal authority to apply for the Grant; that a resolution, motion or similar action has been duly adopted or passed as an official act of the applicant's governing body, authorizing the filing of the application, including all understandings and assurances contained therein, and directing and authorizing the person identified as the official representative of the applicant to act in connection with the application and to provide such additional information as may be required.

2. It will ensure that this Grant will be used in compliance with the Title VI of the Civil Rights Act of 1964 (P.L. 88-352) and in accordance with Title VI of that Act, no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the applicant receives the Grant assistance and will immediately take any measure necessary to effectuate this agreement.

3. It will comply with Title VI of the Civil Rights Act of 1964 (42 USC 2000d) prohibiting employment discrimination where 1) the primary purpose of a grant is to provide employment or 2) discriminatory employment practices will result in unequal treatment of persons who are or should be benefiting from the grant-aided activity.

4. It will establish safeguards to prohibit employees from using their positions for a purpose that is or gives the appearance of being motivated by a desire for private gain for themselves or others, particularly those with whom they have family, business, or other ties.

5. It will give the sponsoring agency or authorized representative access to and the right to examine all records, books, papers, or documents related to the Grant.

6. It will comply with all requirements imposed by the Grantee's sponsoring agency concerning special requirements of State and Federal law, program requirements, and other administrative requirements.

7. It will comply with Section 504 of the Rehabilitation Act of 1973 as amended (29 USC 794) and all regulations, guidelines and interpretations issued pursuant thereto. It provides that no otherwise qualified handicapped individual shall solely by reason of his handicap, be excluded from the participation in, be denied the benefits of, or subject to discrimination under any program or activity receiving federal financial assistance.

8. **Periodic maintenance of the site and hydrant should be performed. <u>At a minimum the dry fire hydrant should be back flushed once each six months</u>. This is the Fire Departments responsibility to maintain the hydrant.**

9. **The fire department is responsible for paying all expenses that are not covered under a standard installation.** *Due to the varied nature of water sources found throughout the Commonwealth of Virginia it may be necessary, in some applications, to utilize dry fire hydrant components not covered under the grant to insure a dependable drafting source year around.*

10. The fire department is responsible for ensuring that proposed dry fire hydrant sites have **dependable all weather access**. For sites found not to have adequate all weather access at the time of the initial site visit, the fire department will provide a letter of assurance to the contractor, for inclusion in the grant file, stating that arrangements have been made to provide said access. This letter will need to be provided before installation of the hydrant can proceed.

11. All applicable **federal, state, and/or local permits** have been properly obtained and/or waived, and supporting documentation thereof has been included along with this grant application

We Understand and Accept the Above Agreement and Specifications. Any violation of the related policy & procedure within the grant process will void this agreement.

**Fire Department Authorized Signature:** _____

**Name** (print)**:** _____

**Title:** _____

**Date:** _____

# Virginia Department of Forestry
## 2009-2010
## DRY FIRE HYDRANT GRANT PROCESS

1. Locate a reliable water source in your community. NOTE: Streams, creeks, and rivers are not necessarily reliable and may receive a lower priority. Choose a location that will allow **access** to the proposed dry fire hydrant in **all weather** conditions. Evaluate the water depth to find a **minimum of 4 to 6 feet** of water for proper placement of the dry fire hydrant strainer.

2. Meet with the landowner to discuss the benefits of the dry fire hydrant. Explain the installation process. Be sure to indicate that the installation is done with a backhoe and that the contractor will return the site to a field grade quality. This means the ground will be as smooth as possible using a backhoe, hand raking with the application of seed and straw, and hand sweeping of hard surfaces.

   *In the event that a fence or other obstruction interferes with the installation process, it will be the responsibility of the landowner to assure the work area is cleared prior to installation of the dry fire hydrant. Once installation of the hydrant is complete, any obstruction may be returned to its original location/condition as long as it does not impede use of the hydrant.*

   **The contractor will determine final placement of the hydrant. Prior to installation the contractor will conduct a site visit, at which time access, water dynamics, head loss, fire apparatus, and landscaping will all be taken into consideration in developing the site layout and engineering of the hydrant. The sketch map must locate the proposed hydrant location at the site.**

### SITE INFORMATION

County: _____ Site Location Priority: ☐ 1 ☐ 2 ☐ 3

Location of Proposed Dry Fire Hydrant:

Subdivision (if applicable): _____

Street Address: _____ Route Number: _____

Cross Street: _____ Route Number: _____

Type of Water Source: ☐ **Pond** ☐ **Lake** ☐ **River** ☐ **Stream/Creek** ☐ Tidal Influence (if applicable)

Distance from Dry Fire Hydrant to Public Road: _____

Travel Distance from Fire Station to Dry Fire Hydrant: _____

Within Two (2) Square Miles: Number of Homes: _____ Number of Other Structures: _____

☐ County map section indicating location of proposed site(s) **[must be included with application]**

☐ Sketch map indicating location of proposed hydrant at site(s) **[must be included with application]**

3. A standard installation shall include the following: up to ninety linear feet of six inch diameter schedule 40 PVC pipe, (1) six inch diameter PVC barrel strainer with bottom facing intake holes and a stainless steel weighted end flap, and (1) six inch PVC NST hydrant head with a six inch to four and one half inch adapter and cap.

4. **Completed grant applications should be submitted no later than March 31, 2009. Applications should be mailed to:**

   **Virginia Department of Forestry**
   **Dry Fire Hydrant Program**
   **900 Natural Resources Drive, Suite 800**
   **Charlottesville, VA 22903**

5. The Virginia Department of Forestry will notify, in writing, each grant recipient. Approved grant applications will be forward to the state-approved contractor who will contact the Program Manager listed on the application to schedule an initial site visit and subsequent installation.

# Virginia Department of Forestry

## DRY FIRE HYDRANT GRANT PROGRAM

## Letter of Authorization

**TO:** _____ **Fire Department**

_____ **Fire Department Address**

_____

**FROM:** _____ **Property Owner**

_____ **Property Owner Address**

_____

_____ **Property Owner Phone Number**

**SUBJECT: Letter of Authorization to Develop and Utilize a Water Source on my Property**

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The _____ Fire Department is hereby authorized to install a dry fire hydrant at _____ for the purposes of providing water to extinguish fires in my community and for other uses with my permission.

The Fire Department may use or test the dry fire hydrant at any time they deem necessary to maintain continuity of hydrant operations. At a minimum, testing of the dry fire hydrant should occur once every six months.

Following the installation of the dry fire hydrant by the state-approved contractor, the property will be returned to a field grade quality as provided for by the governing state contract. This means the ground will be as smooth as possible while utilizing a backhoe, hand raking of disturbed areas, and application of grass seed and straw. In addition, hardtop surfaces, such as roadways and drives, will be hand swept. Depending on weather conditions, hand raking may not eliminate all clumps of soil.

**Note: Any additional reclamation work not stated above and required of the installing agency by the property owner and or fire department will be billed to the requesting party at the rate of time and materials.**

The installation and operation of the dry fire hydrant has been fully explained and I agree to all parts.

Permission is hereby granted to come upon my property to install, maintain, and operate said hydrant. To revoke this permission, I will give thirty (30) days written notice to the _____ Fire Department. In the event the permission is revoked; all parts of the installation will be removed at the expense of the above fire department.

_____ _____

SIGNATURE OF LANDOWNER DATE

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I have advised the landowner of the installation procedure and utilization of the dry fire hydrant.

_____ _____

SIGNATURE OF FIRE REPRESENTATIVE DATE

# CERTIFICATION

## FOR

## CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

The undersigned certifies to the best of his or her knowledge and belief, that:

1. No Grant appropriated funds have been paid or will be paid, by or on behalf of the undersigned to any person for influencing or attempting to influence an officer or employee of any agency related to this Grant or to any public office at large.
2. If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of a related agency, in connection with this Grant agreement, the undersigned shall complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying" in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into transaction imposed by section 1352, title 31 U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

**Signature:** _____

**Name** (print)**:** _____

**Title** _____

**Date** _____