



**DPS**

Montgomery County  
Department of Permitting Services

2425 Reedie Drive, 7th Floor  
Wheaton, MD 20902  
montgomerycountymd.gov/dps  
240-777-0311



# Application for Floodplain Study/Permit

Floodplain Study/Permit # \_\_\_\_\_

**Project Name/Subdivision:** \_\_\_\_\_

Property Address/Location: \_\_\_\_\_  
Address City/State Zip

Total property area \_\_\_\_\_ Acres

**Owner/Applicant Information:** Email Address \_\_\_\_\_

Name: \_\_\_\_\_  
Firm Name and/or Contact Person Contact ID #

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ - \_\_\_\_\_ Phone \_\_\_\_\_

**Engineer Information:** Email Address \_\_\_\_\_

Name: \_\_\_\_\_  
Firm Name and/or Contact Person Contact ID #

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ - \_\_\_\_\_ Phone \_\_\_\_\_

**Type of Application (Please check box that applies):**

- Floodplain Study
- Dam Breach Analysis
- TR-60 Method
- Floodplain Permit (Engineered)
- Floodplain Permit (Single Family Residence)

Montgomery Co. Map Grid: \_\_\_\_\_ Preliminary Plan #: \_\_\_\_\_

Sediment Control #: \_\_\_\_\_ WSSC Map Grid: \_\_\_\_\_ Tax Map: \_\_\_\_\_

Lot(s): \_\_\_\_\_ Block(s): \_\_\_\_\_

Parcel(s): \_\_\_\_\_ Subdivision: \_\_\_\_\_

Watershed: \_\_\_\_\_ Tributary: \_\_\_\_\_ Class: \_\_\_\_\_

Municipality: \_\_\_\_\_ (If applicable) Liber: \_\_\_\_\_ Folio: \_\_\_\_\_ Election District: \_\_\_\_\_

Amount of area disturbed within the 100-year floodplain and/or 25' BRL \_\_\_\_\_ Sq. Ft.

Total proposed impervious surface area within the 100-year floodplain and/or 25' BRL \_\_\_\_\_ Sq. Ft.

Provide the drainage area of the watershed above the floodplain disturbance (in acres) \_\_\_\_\_

**Type and Purpose of Work:**

\_\_\_\_\_

I declare and affirm, under penalty of perjury, that to the best of my knowledge, information and belief all matters and facts in this application are correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner.

Signature: \_\_\_\_\_  
Signature of Applicant (Property Owner or Authorized Agent) Printed Name Date

**All submissions must include:**

1. Completed application accompanied by non-refundable filing fee.
2. One (1) copy of the 100-year floodplain delineations and all associated supporting documents for review. Please include a narrative describing the proposed land disturbance or construction activities.
3. A copy of the grading or site plan that includes:
  - A. A vicinity map
  - B. The proposed development or activity showing streets; parking lots; topography; 100-year floodplain and flow paths; existing or proposed easements for storm drains, sewers, and other utilities; major building locations; and any proposed construction activities within the 100-year floodplain.

**All floodplain study submissions must include the following additional information:**

1. **Methodology of Delineation**
  - A. The hydrology will be determined for ultimate development within the watershed using TR-55, TR-20, HEC-1, or the Rational method (the use of the Rational method will be subject to prior approval by DPS). Documentation shall be required in the computation of the Water Surface Elevations (WSEL). For backwater profiles, acceptable programs are HEC-2, HEC RAS, and WSP-2.
  - B. Field run cross sections shall be taken at each structural crossing and at each significant change in slope, width or roughness coefficient, in the stream channel with maximum spacing of 500 feet.
  - C. In rural areas of the County, where there is no existing floodplain delineation, a more simplistic method of computing floodplain, such as, the Normal Depth Method may be acceptable if DPS gives prior approval.
2. **Submittal Requirements**
  - A. In the absence of M-NCPPC floodplain delineation maps, other sources of floodplain information, such as FIRM maps, HUD Flood Hazard Boundary Maps and floodplain studies previously approved by DPS may be used. Computations necessary to support the 100-year ultimate floodplain elevations must be submitted for review.
  - B. A transmittal detailing the methodology and background data must accompany the submittal package.

**Dam Breach Studies must include the following information:**

1. **Methodology of Delineation**
  - A. The hydrology will be determined using TR-55, TR-20, TR-60 or HEC-1. Documentation shall be required on the computation of the Danger Reach Elevations. Acceptable programs are TR-66, HEC-2, WSP-2 or Dam Break Program.
  - B. Field run cross sections shall be taken at downstream road crossings, proximity of any existing or proposed dwellings and other restricted locations.
  - C. The limit of the study shall terminate to a point where the Breach limits coincide with existing 100-year floodplain limits.