Disaster Preparedness



Making Yourself, Your Family, and Your Home Ready for an Emergency



Who is MEMA?

- State Emergency Management Agency- conduit between
 Local and Federal Emergency Management
- 24/7 Watch Center (MJOC)
- Planning, Training and Exercising, Outreach and Community Preparedness, Private Sector Integration, State Emergency Operations Center
- Our Vision: To shape a resilient Maryland where communities thrive.



Family Emergency Plan

- Basic information on all household members
- Out-of-state contact
- Meeting places (local and regional)
- Work/school information



• Insurance information (flood, homeowners, renters, health, vehicle, etc.).



Disaster Supply Kit: Food

- At least a three-day supply of non-perishable foods that do not require refrigeration, cooking, a lot of water, or lengthy preparation. This can include ready-to-eat canned meats, fruits and vegetables, canned juices, peanut butter, jelly, trail mix
- Don't forget foods for family members with special needs such as infants or those on special diets/with allergies





Disaster Supply Kit: Water

- Store water in plastic containers such as soft drink bottles or buy one-gallon containers of water
- Store one gallon of water per-person per-day for a threeday period



Disaster Supply Kit: First Aid

- Sterile adhesive bandages
- Scissors
- Tweezers
- Needle
- Antiseptic
- Thermometer
- Cleanser/Soap
- Aspirin/pain reliever
- Assorted sterile gauze pads
- OTC Medications





Disaster Supply Kit: Tools and Supplies

- Paper cups, plates, and plastic utensils
- Battery operated radio and extra batteries
- Flashlight and extra batteries
- Non-electric can opener and utility knife
- Pliers
- Tape
- Signal flare
- Needles and thread
- Map of the area
- Aluminum foil











Disaster Supply Kit: Sanitation

- Toilet paper
- Soap
- Personal hygiene items
- Plastic garbage bags with ties
- Plastic bucket with tight lid
- Disinfectant
- Household chlorine bleach







Disaster Supply Kit: Clothing and Bedding

- One complete change of clothing and footwear per person
- Blankets/sleeping bags/pillows
- Sunglasses
- Sturdy shoes/work boots
- Rain gear









Disaster Supply Kit: Speciality Items

- Infant formula, bottles, diapers, wipes
- Prescription medications, insulin, denture needs, extra eyeglasses or contact lenses/supplies
- Pet food, leash, carrier, vaccination records
- Comfort items for children
- Important family documentation: birth certificated, marriage licenses, wills, bank account numbers, deeds, credit card numbers and companies, insurance policies, passports, Social Security cards. Keep these items in a watertight container



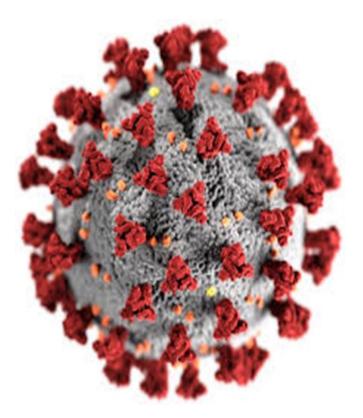






Supplies Needed in a COVID-19 Environment

- Masks
- Hand Sanitizer
- Hand Soap
- Disinfectant Spray/Wipes
- Thermometer
- OTC medications





Pet Preparedness



- Create a plan for sheltering during evacuations (public shelter, friends/family, boarding facility, hotel)
 - www.bringfido.com
 - www.dogvacay.com
 - www.petswelcome.com
- Develop buddy system



- Make sure your vehicle is large enough to transport all pets
- Get pets comfortable with crates prior to an event



Pet Emergency Supply Kit

- Food/water for at least 3 days
- Medicines and Medical records
- First Aid kit
- Collar with ID/rabies tag, harness, leash
- Crate or other pet carrier
- Sanitation supplies
- Picture of you and your pet together
- Familiar items







Maryland Prepares



Download the Maryland Prepares Mobile App today!



Know Your Zone

- Maryland's hurricane evacuation zone campaign
- Involves 19 jurisdictions around the state
- www.KnowYourZoneMD.com





For More Information:

www.mema.maryland.gov

www.fema.gov

www.ready.gov/are-you-ready-guide





The mission of the Maryland Emergency Management Agency is to proactively reduce disaster risks and reliably manage consequences through collaborative work with Maryland's communities and partners.

Jessica Nusbaum

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jessica.nusbaum@maryland.gov





Understanding Your Insurance Coverage When it Comes to a Disaster

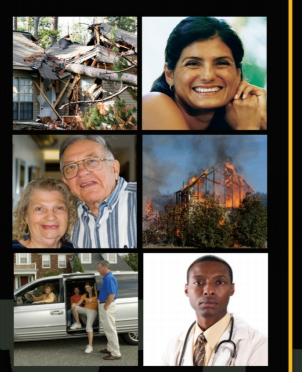
Kejuana Walton Consumer Education & Advocacy Unit

Agenda

- \checkmark What is the Maryland Insurance Administration
- ✓ How the Maryland Insurance Administration can help
- \checkmark Do you have the right coverage to protect you
- \checkmark What to Do After a Loss
- ✓ Get Prepared

Maryland INSURANCE ADMINISTRATION

EDUCATING & PROTECTING CONSUMERS



<u>What is the Maryland</u> <u>Insurance Administration</u>?

The Maryland Insurance Administration (MIA) is the state agency that regulates the business of insurance in Maryland. The MIA:

- Licenses insurers and insurance producers (agents and brokers)
- Examines the business practices of licensees to ensure compliance
- Monitors solvency of insurers
- Reviews and approves insurance policy forms
- Reviews rates to be sure they are not inadequate, excessive or unfairly discriminatory
- Investigates consumer and provider complaints and allegations of fraud

<u>How can the Maryland Insurance</u> <u>Administration help?</u>

If you feel that your insurer or insurance producer acted improperly, you have the right to file a complaint. The MIA can investigate complaints that an insurer or insurance producer has:

- Denied or delayed payment of all or portions of a claim
- Improperly terminated your insurance policy
- Raised your insurance premiums without proper notice or in excess of what the law allows
- Made false statements to you in connection with the sale of insurance or the processing of insurance claims
- Overcharged you for services, including premium finance charges

Natural Disasters

Marylanders in recent years have sustained a significant amount of damage to their homes and personal property as a result of tornadoes, floods and hurricanes.

While you may not be able to control natural disasters, there are steps you can take to lessen the exposure to these types of losses and ensure that you have the appropriate insurance to cover potential damages.



<u>Do you have the right automobile</u> <u>coverage</u>?

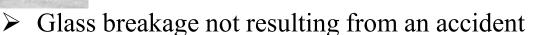
When it comes to auto insurance coverage, **Comprehensive Coverage** provides you the coverage for property damage to your insured vehicle resulting from occurrences other than collision.



➢ Flooding

> Theft

➤ Vandalism



➤ A vehicle striking an animal

If you have only liability coverage, your insurer will not pay for the above types of damage or for damage to your vehicle from a collision.

Do you have the right homeowner <u>coverage</u>?

Review your policy to determine what is covered and what is excluded. Are the following covered under your current policy?

- windstorm damage
- debris or tree removal
- Water/Sewer Backup
- additional living expenses

Your Insurance Company 3535 Second Street Company Town, USA 54321	Policy period:	XX-XXXXXX-XX Effective date: Expiration anuary 1, 2015 July 1, 201	
Homeowners Insuranc			.5
Named Insured Address		tgagee Address	
John E. Doe 123 E. Ma Insured To	in Street Ban wn, USA 12345	c of USA 1212 First Street Company Town, U	SA 54321
XYZ Insurance Company conside to non-renew your insurance po		hen determining whether to canc	el or
Coverages & property	Liability limits	Inflation coverage index	xxx.x 🄇
A Dwelling B Dwelling extension (garage) C Personal property D Loss of use SECTION II L Personal liability (each occurrence) Damage to property of others M Medical payments to others (each person)	\$250,000 \$25,000 \$125,000 Actual loss sustained \$300,000 \$1,000 \$2,000	Deductibles All peril	\$2,000
		In case of loss under this policy, the deductible will be applied per occurrence and will be deducted from the amount of loss. Other deductibles may apply – refer to your policy.	
		Policy premium	\$1,000
Loss of settlement provisions (see policy) A1: Replacement cost – Similar construction B1: Limited replacement cost – Coverage B		Discounts applied Home/Auto	
Forms, options and endorsements Replacement cost coverage xx-xxxx Mold, fungus, wet rot, dry rot or bacteria xx-xxxx Ordinance or law coverage:		Home protection (burglar an smoke detectors) Claim record/Customer long	
Ordinance of law coverage: 10% of Coverage A Earthquake excl. masonry veneo Sewer, water backup coverage: \$10,000/\$500 deductible Increase dwelling, up to \$50,00 Jewelry and furs, \$5,000 each	xx-xxxx		

Your policy consists of this page, any endorsements and the policy form. Keep together.



200 St. Paul Place, Suite 2700 Baltimore, MD 21202 410-468-2000 800-492-6116 800-735-2258 TTY www.insurance.maryland.gov

www.facebook.com/MdInsuranceAdmin www.twitter.com/MD_Insurance www.instagram.com/marylandinsuranceadmin When you purchase a homeowners insurance policy, renew your policy, or make any changes to your policy, the insurer will give you a document called a "Declarations Page."

The declarations page identifies the kinds and amounts of coverage you have and how much it costs.

https://insurance.maryland.gov/Consu mer/Documents/publications/understan dinghodeclarationspage.pdf

Be Prepared

- Create an inventory of all your possessions and keep it updated. The NAIC's checklist is available at: https://www.naic.org/documents/index_d isaster_section_inventory_checklist.pdf
- Photograph and/or video each room and the exterior of your home.
- Safeguard your records insurance policies, inventory list.
- Keep handy your insurance producer's name, telephone number, and your policy number(s).
- Know how to shut off the gas, electricity and water. Be prepared to board up vulnerable places around the house.



Do you have enough insurance coverage?

- ✓ Make sure you have enough coverage to repair or rebuild your home in the event of a disaster.
- ✓ Ask your insurance producer or insurer about purchasing coverage to protect against inflation.
- ✓ Notify your insurance producer or insurer if you make improvements or additions to your home to ensure they are covered.
- ✓ Determine whether you need additional coverage for antiques, collectibles, jewelry, computers, or other expensive items that may not be included in basic contents coverage.

Do you have the right insurance coverage?

✓ Know the difference between ACV and RCV

- ✓ Actual Cash Value (ACV) is the cost to replace the damaged property with "like kind or quality" minus depreciation for age and use.
- ✓ Replacement Cost Value (RCV) is the cost to replace the damaged property with "like kind or quality", at full cost without depreciation, less the amount of your deductible.
- ✓ It's important to remember you may not receive the full replacement cost until you actually repair or replace the damaged property.

Insurance Preparedness Tips: Know what is **not** covered.

Most homeowners, renters, and condo insurance policies exclude the following from coverage:

- ✓ Mudslide
- ✓ Earth Movement
- ✓ Groundwater or seepage
- ✓ Flood



While some private insurers may offer some coverage for flooding as an endorsement to your homeowners, renters, or condominium policy, flood insurance can also be purchased from the National Flood Insurance Program (NFIP). For more information, contact your insurer, insurance producer, or go to the NFIP's website, <u>www.floodsmart.gov</u>.

Know what you will have to pay

✓ Know what your deductibles are.

Some policies have a separate percentage deductible for certain types of events, for example wind.

Some policies have a deductible based on the amount of insurance coverage on your home.

Example: If your dwelling is insured for \$100,000, and your policy has a 2% deductible for certain perils, your deductible would be \$2,000.

After A Loss



- \checkmark Contact your insurer promptly after sustaining a loss.
- \checkmark Take photographs and/or video of the damaged areas.
- Make only those repairs necessary to prevent any further damage. Do not make permanent repairs before talking to your insurer.
- ✓ Before you remove any damaged property from the premises, be sure an insurance adjuster or your insurance producer has seen the damage.

After A Loss

- ✓ Keep all receipts for emergency repairs and for temporary living expenses.
- ✓ As soon as possible, prepare a detailed inventory of all damaged or destroyed property. Give a copy to the insurance adjuster and keep a copy for yourself. It should include:
 - Description and quantity of items.
 - Date and place of purchase
 - Cost estimate to replace.
- ✓ Be present when your insurance adjuster inspects your property.
- ✓ Be cautious in accepting a settlement offer or cashing a settlement check. Cashing a check may bar you from seeking additional compensation later on if it turns out that the settlement offer is inadequate. It is a good idea to confirm in writing that cashing the check will not bar you from seeking additional compensation later.

Reminder



- If your insurer denies any part of your claim, be sure they put the denial in writing and you keep a copy of all the paperwork.
- You can avoid bad repairs and workmanship by using licensed, reputable contractors. Be sure they secure the appropriate building permits.

Maryland Home Improvement Commission 1-888-218-5925 or 410-230-6309 www.dllr.state.md.us/license/mhic/

- Contact your insurer and claims adjuster any time you find additional damage not previously reported and inspected.
- Insurers consider loss history and claim frequency when making decisions on whether they will insure you, renew your policy and the cost of your policy.

Contact Information

Maryland Insurance Administration 1-800-492-6116 or 410-468-2000 <u>www.insurance.maryland.gov</u>

National Flood Insurance Program 1-800-427-4661 www.floodsmart.gov

Maryland Home Improvement Commission 1-888-218-5925 www.dllr.state.md.us/license/mhic/

Contact Information

Maryland Emergency Management Agency 1-877-636-2872 www.mema.maryland.gov/

Federal Emergency Management Agency 1-202-646-2500 www.fema.gov

<u>Publications Available on MIA's</u> <u>Website</u>

Check out the following publications for more information.

- An Insurance Preparedness Guide for Natural Disasters
- An Insurance Preparedness Guide For Post-Disaster Claims
- <u>Natural Disasters Preparedness Tips Guide</u>
- Consumer Advisory: <u>Contractors or Individuals that Offer to Help You with your</u> <u>Insurance Claim</u>
- Consumer Advisory: <u>Understanding the Difference Between Flood and Water</u> <u>Damage</u>
- Property Damage What to Do After A Loss
- Weather Related Damage Frequently Asked Questions about Insurance Coverage



Floodplain Management/Mitigation Techniques, Flood Insurance and Resources

Virtual Government Agency Day September 16, 2020

Kevin G. Wagner Community Assistance Program Manager

National Flood Insurance Program

- Created by the National Flood Insurance Act of 1968 (Hurricane Betsy, 1965)
- Administered by FEMA/DHS
- Participation is **voluntary**
 - Adopt and enforce regulations
 - Eligible for flood insurance
- Benefits of participation:
 - Flood insurance
 - Grants and loans
 - Disaster assistance
 - Federally-backed mortgages
- Partnership between the Federal government and the "community" (County or municipal government)



National Flood Insurance Program

Answers to Questions About the NFIP

FEMA F-084 / March 2011

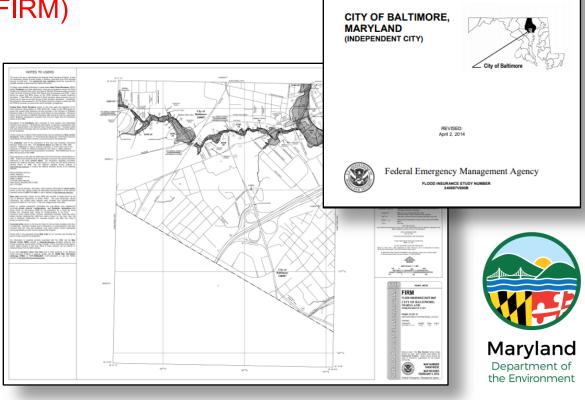


Key Components of the NFIP



Know Your Risk – Maps and Data

- Flood Insurance Study (FIS)
- Flood Insurance Rate Map (FIRM)
 Digital FIRM (DFIRM)
- Community Identified Flood Risk:
 - Historic high water marks
 - 2050 and 2100
 SLR projections
 - Other?



FLOOD INSUR/ STUDY

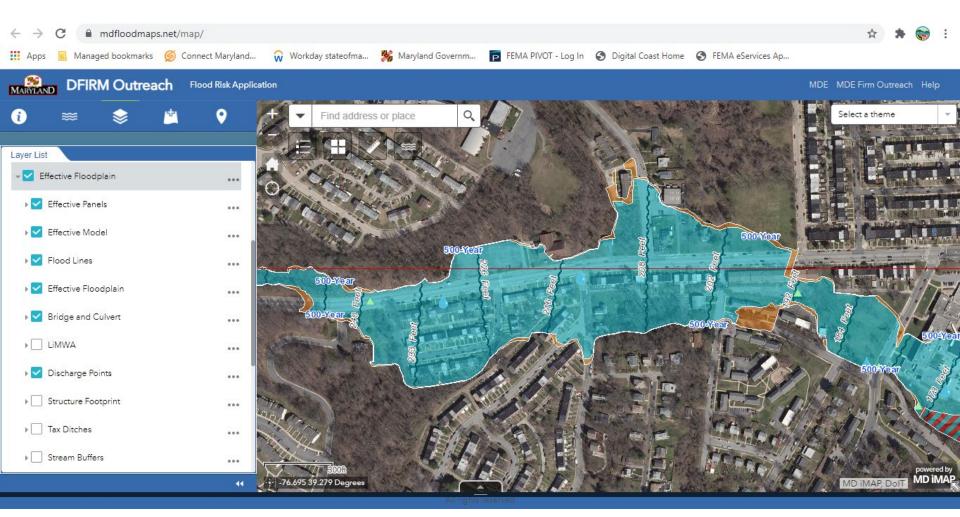
Flood Insurance Rate Map (FIRM)

- Delineates flood risk based on different recurrence intervals (1% and 0.2% annual chance flood)
 - Floods don't follow map boundaries
- National standard is the 1% annual chance flood (also known as 100-year flood, or special flood hazard area)
 - Flood insurance rating
 - Floodplain management & development review process



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Maryland's Flood Risk Application https://mdfloodmaps.net/map/



FEMA Flood Map Service Center

- Access Products
 - FIRMs & FIS
 - LOMCs
 - DFIRM Database
 - Historic Products
 - Flood Risk Products
- Access Tools
 - Make a FIRMette
 - National Flood Hazard Layer (NFHL) Viewer
- Live Mapping Support
 - FEMA Map Information eXchange (FMIX)

https://msc.fema.gov



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FEMA Flood Map Service Center : Welcome!

Looking for a Flood Map? 📀

Enter an address, a place, or longitude/latitude coordinates:

Enter an address, a place, or longitude/latitude coordinates

Looking for more than just a current flood map?

Visit <u>Search All Products</u> to access the full range of flood risk products for your community.

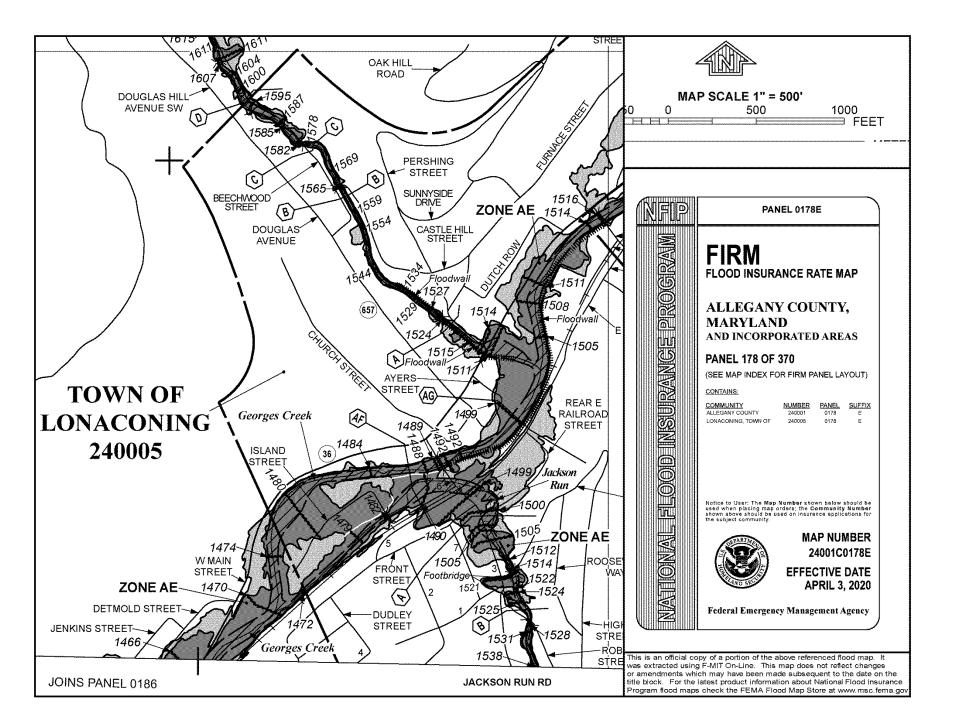
About Flood Map Service Center

The FEMA Flood Map Service Center (MSC) is the official public source for flood hazard information produced in support of the National Flood Insurance Program (NFIP). Use the MSC to find your official flood map, access a range of other flood hazard products, and take advantage of tools for better understanding flood risk.

Search

FEMA flood maps are continually updated through a variety of processes. Effective information that you download or print from this site may change or become superseded by new maps over time. For additional information, please see the <u>Flood</u> <u>Hazard Mapping Updates Overview Fact Sheet</u>





Flood Risk Zones

Risk	Zone	Recurrence Interval
Low	X (unshaded)	<0.2%
Moderate	X (shaded)	0.2%
High (Riverine/tidal)*	A, AH, AO, AE	1.0%
High (Coastal)*	VE	1.0%

*Mandatory purchase requirements for flood insurance, and regulatory requirements in high risk areas



Reduce Your Risk – Floodplain Management/Regulations

- Minimum NFIP requirements in the Code of Federal Regulations (CFR)
 - Title 44, Subchapter B, Parts 59-60, § 59.1 & § 60.3(a)-(e)
- State Laws, Regulations and Executive Orders
 - Annotated Code of Maryland, Environment Article
 - Code of Maryland Regulations (COMAR)
 - Climate Change and "Coast Smart" Construction Executive Order
- Community's Floodplain Management Ordinance
 - Often based on Maryland Model Floodplain Management Ordinance
 - Higher Regulatory Standards? (ex. Freeboard)
- Building Codes/Maryland Building Performance Standards
 - International Codes (I-Codes):
 - International Building Code (IBC), International Residential Code (IRC), etc.
 - ASCE 24: Flood Resistant Design and Construction
 - ASCE 7: Minimum Design Loads for Building and Other Structures [™]_□



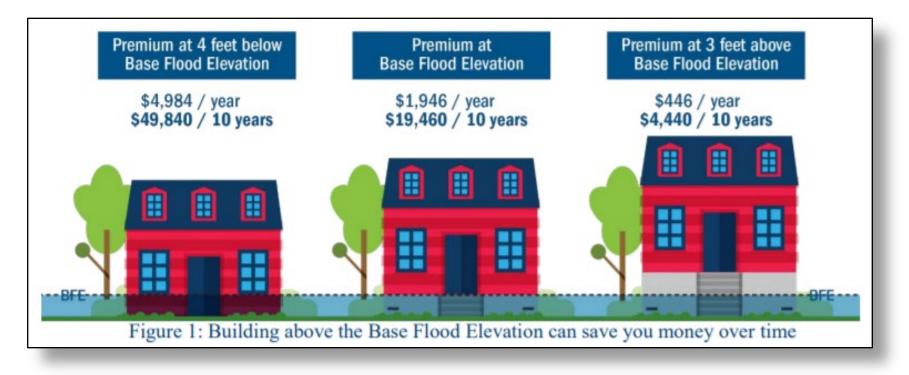
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Higher Regulatory Standards

- 2 feet of freeboard
- Flood protection setback
- 3 feet of freeboard or 500-year flood elevation for Critical and Essential facilities
- Declaration of Land Restriction (Non-conversion Agreement)
- Prohibition:
 - Manufactured homes in floodway and V Zone
 - Critical and essential facilities in Coastal A and V Zones and floodway
 - Floodproofing of new and substantially improved nonresidential buildings in Coastal A Zone



Freeboard





Source: FEMA Build Back Safer and Stronger Fact Sheet

Zone AE – Crisfield



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Zone VE – Calvert Co.





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Reduce Your Risk – Flood Mitigation

- Use flood damage-resistant materials
- Install flood openings in enclosures
- Install backflow prevention valves
- Elevate HVAC and utilities
- Anchor fuel tanks, extend vent pipe (oil)
- Anchor accessory structures (ex. Sheds)
- FRED Floodproof, Relocate, Elevate, Demolish
- Purchase flood insurance!





Flood Damage-Resistant Materials

- Acceptable:
 - Cement board
 - Brick, tile
 - Marine grade plywood
 - Sprayed polyurethane foam insulation

Unacceptable:

- Gypsum board, greenboard
- Carpeting
- Oriented-strand board (OSB)
- Fiberglass insulation

Fasteners and Connectors

Stainless steel or hot-dip galvanized

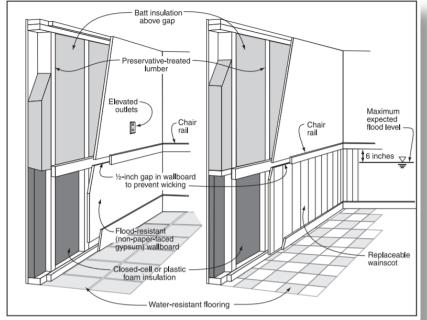


Figure 4. Partial wet floodproofing technique using flood damage-resistant materials for finished wall construction.



Source: NFIP Technical Bulletin 2, Flood Damage-Resistant Materials Requirement

Flood Openings

- Reduce hydrostatic pressure
- Minimum requirements:
 - Bottom of opening must be within 12" of grade
 - 1 square inch of net open area for every square foot of enclosed area OR use engineered openings
 - On at least two different walls



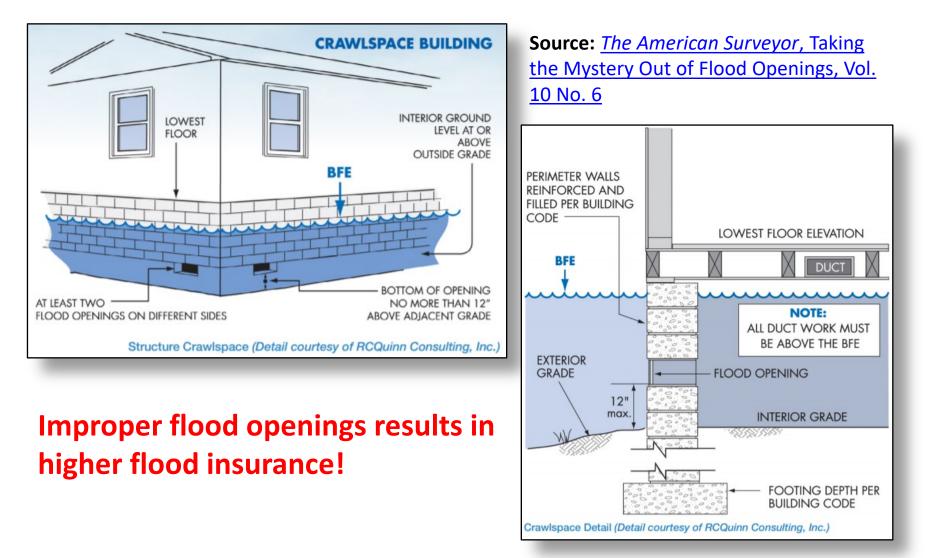






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Flood Openings



Flood Openings Covered



Higher flood insurance!



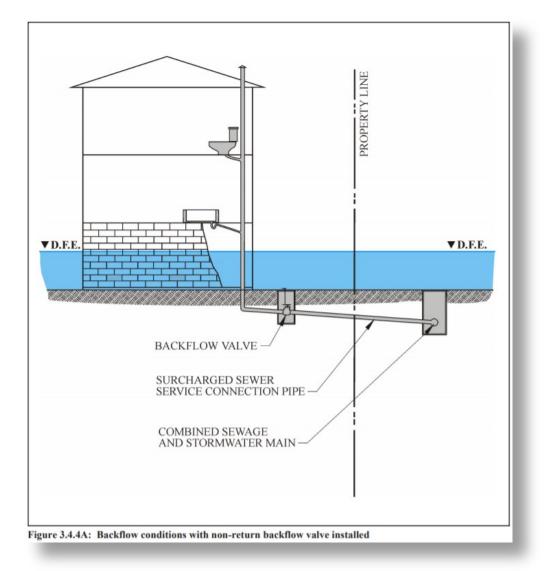
Subgrade Crawlspace = Basement



Higher flood insurance!



Backflow Prevention Valve



Source: <u>Protecting Building</u> <u>Utilities From Flood Damage,</u> <u>FEMA-348, November 1999</u> (has been revised)



HVAC Units & Flood Openings – Harford Co.





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HVAC Unit & Flood Openings – Dorchester Co.





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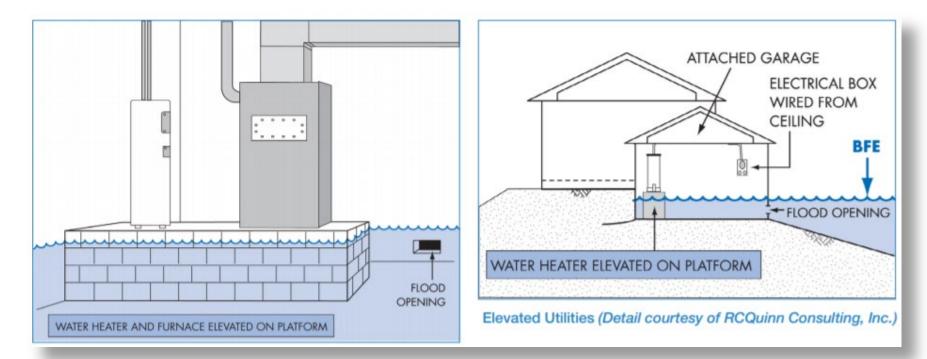
HVAC Units and Electric Meter – Cecil Co.





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Elevate Utilities



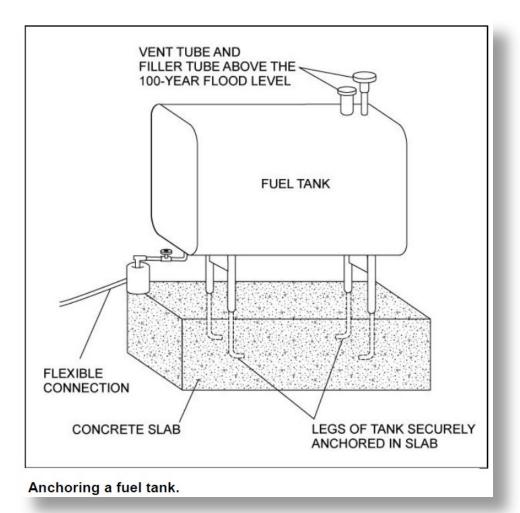
Non-elevated utilities results in higher flood insurance!



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Source: <u>The American Surveyor</u>, Taking the Mystery Out of Flood Openings, <u>Vol. 10 No. 6</u>

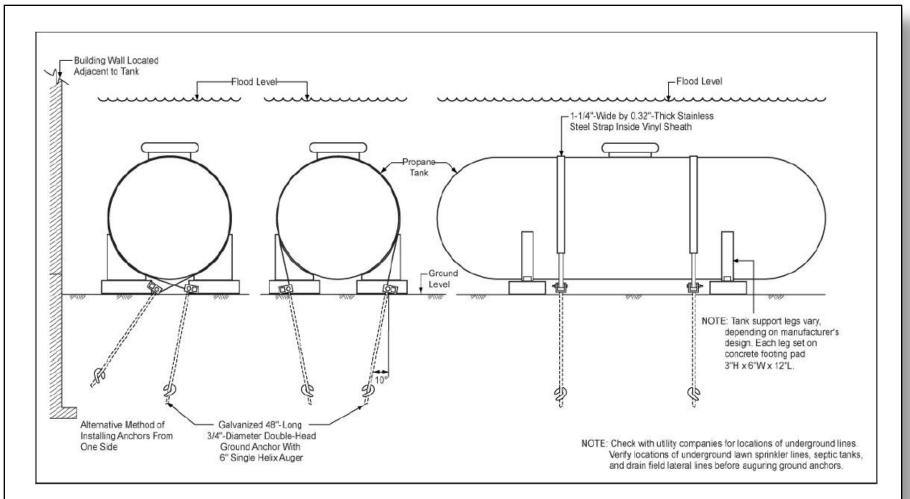
Anchoring Fuel Tanks





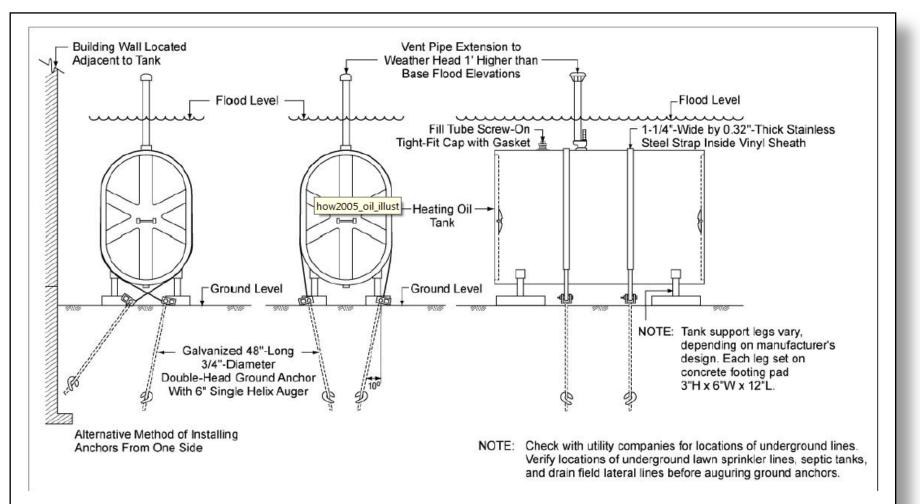


Anchoring a Propane Tank



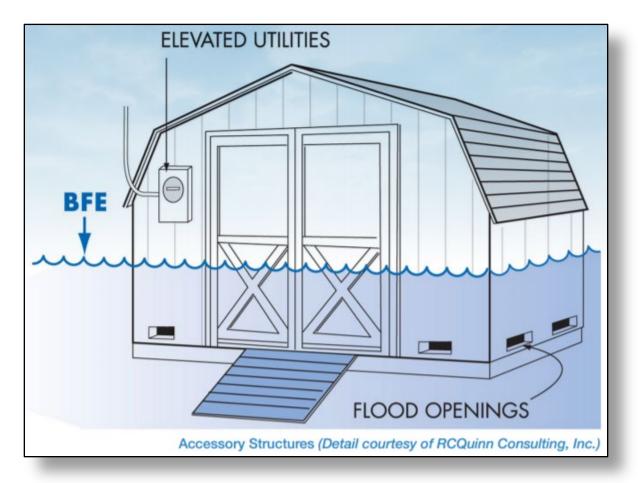
Anchoring an outside propane tank.

Anchoring a Heating Oil Tank



Anchoring an outside heating oil tank.

Accessory Structures





Source: <u>The American Surveyor</u>, Taking the Mystery Out of Flood Openings, Vol. 10 No. 6

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Elevation Certificate

- 1. To ensure compliance with a community's regulations
 - Properly elevated
 - Adequate flood openings
- 2. Flood insurance rating
 - Proper documentation required
- 3. Support Letter Of Map Change (LOMC) requests

In Maryland, only a licensed surveyor can certify as-built information

U.S. DEPARTMEN Federal Emergency National Flood Insura		LAND SECURITY nt Agency				MB No. 16 xpiration D	60-0008 Jate: November 30, 2018	
			тю	N CERTIF				
				the instructions on				
Copy all pages of this	Elevation Cer	tificate and all attachm	ents fo	r (1) community offic	dal, (2) insurance ag	ent/compan	iy, and (3) building owner.	
	SECT	ION A - PROPERTY	INFOR	MATION	I	FOR INSURANCE COMPANY USE		
A1. Building Own	er's Name				1	Policy Num	ber:	
A2. Building Stree Box No.	t Address (Inc	luding Apt., Unit, Suite	, and/o	or Bidg. No.) or P.O.	Route and (Company N	IAIC Number:	
City				State		IP Code		
			_		-			
A3. Property Desi	alption (Lot an	d Block Numbers, Tax	(Parce	el Number, Legal De	scription, etc.)			
A4. Building Use	e.g., Resident	tal, Non-Residential, A	ddition	, Accessory, etc.)				
A5. Latitude/Long	tude: Lat.		Long.		Horizontal Datum:	NAD 1	1927 NAD 1983	
A6. Attach at leas	t 2 photograph	is of the building if the	_				_	
A7. Building Diagr	am Number	-		-				
A8. For a building	with a crawisp	ace or enclosure(s):						
a) Square for	tage of crawls	space or enclosure(s)		sq ft				
b) Number of	permanent flo	od openings in the cra	awlspac	ce or enclosure(s) w	ithin 1.0 foot above a	adjacent gr	ade	
c) Total net a	rea of flood op	enings in A8.b		sq in				
d) Engineere	d flood opening	95? 🗆 Yes 🗖 N	0					
A9. For a building	with an attach	ed garage:						
		ed garage		ca #				
		od openings in the att			of above adlacent of	ada.		
· ·	· · · · · ·				or above adjatent g			
		enings in A9.b		sqin				
d) Engineere	d flood openin	gs? 🗌 Yes 🗌 N	0					
	SE	CTION B - FLOOD IN	NSUR/	ANCE RATE MAP	(FIRM) INFORMAT	ION		
B1. NFIP Community Name & Community Number B2. County Name						B3. State		
		-			-	_	-	
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	E	FIRM Panel ffective/ Revised Date	B8. Flood Zone(s)	(Zo	se Flood Elevation(s) ne AO, use Base od Depth)	
		Base Flood Elevation (epth entered in Item	B9:		
		Community Determ	nnea	Other/source:				
FIS Profi	_	sed for BFE in Item B9	k 🗆 M	IGVD 1929 UNA	VD 1988 [] Oth	er/Source:		
FIS Profil B11. Indicate elev	ation datum u						OPA)? Yes No	
FIS Profi B11. Indicate elev B12. Is the buildin	ation datum u	Coastal Barrier Resou	urces S					

Elevation Project – Crisfield





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Summary – Reduce Your Flood Risk

• NO COST - \$

- Clean ditches and gutters
- Elevate items off the floor
- Elevate washer and dryer

LOW COST - \$\$

- Get an Elevation Certificate
- Elevate HVAC unit
- Anchor fuel tanks

MODERATE COST - \$\$\$

- Install a sump pump (with battery backup)
- Fill in crawlspace to eliminate basement
- Install flood openings
- Elevate utilities

• HIGH COST - **\$\$\$\$**

- Elevate home
- Dry floodproof business



FEMA Publications

- <u>Protect Your Home from Flooding: Low-Cost Projects</u> You Can Do Yourself
- <u>Mitigation for Homeowners Fact Sheet</u>
- NFIP Technical Bulletins
 - 12 bulletins that provide guidance for complying with the NFIP's building performance requirements
 - TB 1: Openings in Foundation Walls and Walls of Enclosures
 - TB 2: Flood Damage-Resistant Materials Requirement
- Homeowner's Guide to Retrofitting
- Protecting Building Utility Systems From Flood Damage



Protect Your Home from Flooding: Low-Cost Projects You Can Do Yourself



Protect Your Home from Flooding

LOW-COST PROJECTS YOU CAN DO YOURSELF



OUTSIDE THE HOME

- Install a rain barrel
- Elevate utilities and service equipment
- Anchor outdoor fuel tanks

• INSIDE THE HOME

- Protect your valuable possessions
- Seal your foundation and basement walls
- Install food vents
- Install a sump pump
- Prevent sewer backups
- Use food-resistant building materials
- Raise electrical system components
- Protect utilities and service equipment
- Anchor indoor fuel tanks
- Install a flood alert system



Maryland Department of the Environment

Websites

- Maryland Department of the Environment (MDE)
 https://mde.maryland.gov/programs/Water/FloodHazardMitigation/P
 ages/index.aspx
 https://mdfloodmaps.net/
- Maryland Emergency Management Agency (MEMA)
 <u>https://mema.maryland.gov/Pages/resources-Floods.aspx</u>
 <u>https://mema.maryland.gov/community/Pages/Mitigation.aspx</u>
- Federal Emergency Management Agency (FEMA)/National Flood Insurance Program (NFIP) https://www.fema.gov/national-flood-insurance-program https://www.floodsmart.gov/ https://www.floodsmart.gov/
- Federal Alliance for Safe Homes (FLASH)
 https://www.flash.org/
 https://www.flash.org/



Thank you!

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For the portion presented by the American Red Cross, please refer to the recording of the webinar for the slides.

Questions?

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