

FLOOD EVACUATION AND PREPAREDNESS PLAN

**83 Camp Ave
Stamford, Connecticut
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INTRODUCTION:

By a condition of the Environmental Protection Board, this flood preparedness plan has been developed to: a) inform the Owner of All Season Materials for potential flooding events on the property, b) prepare the site to prevent impacts to wetlands, watercourses, and nearby properties and describe any specific flood proofing/preparedness measures that have been incorporated into the permit and, c) provide an action plan by which workers can prepare for a major flood event and, if necessary, evacuate the premises.

NATURE OF FLOODING ON THIS PARCEL:

The site is currently depicted on "Flood Insurance Rate Map" 09001C0507F (June 18, 2010), and is located within a Coastal Flood Hazard Zone, AE, with a projected base flood elevation of 76 feet NAVD-88 (**See Figure 1**). During the 100-year storm, a severe and relatively infrequent storm having a 1 percent chance of occurring in any given year, the waters of Noroton River and Springdale Brook are expected to rise and impact the entire parcel. Based on available topography, flood depths up to 10.4 feet are expected on the property.

There is no dry access to the property during the peak of the 100-year storm. The nearest dry pavement lies some 400 feet to the west on Ryan St (**See Figure 1**).

SITE DESIGN AND PERMIT:

Under Plan Review, several considerations were incorporated into the design of this project to prevent impacts to wetlands, watercourses, and nearby properties and promote the health, safety and comfort of Workers and their personal property during a major flood event.

- The owner prepared this general flood preparedness plan to inform the Workers of the anticipated extent of flooding on the property, and to provide a uniform method by which the Workers can prepare for a storm and evacuate the premises.
- The owner developed and filed an informative notice on the Stamford Land Records. The notice provides a permanent record of the flood hazard designation and acknowledges the existence of both "Coastal Site Plan Review No. ____" and this "Flood Preparedness Plan."

FLOOD PREPAREDNESS:

NON-EMERGENCY SITUATIONS: Workers awareness and preparation is an essential component of any effective response plan. Accordingly, the Owner should consider the following:

- The purchase and maintenance of flood insurance.
- Frequent review of the measures and procedures outlined in this flood preparedness plan and other important resources including the website www.bepreparedstamford.org. Through this website, Workers can link to a number of resources for important information on weather, storm readiness, and plan development. The City website also enables Employees to register for Stamford Alert, a notification system that enables Stamford officials to quickly deliver emergency messages to targeted areas or the entire city. Employees can receive assistance in registering for Stamford Alert by calling (203) 977-5089.
- Maintain an updated list of emergency telephone numbers such as doctors, police, fire, ambulance, pharmacies, special transportation needs, relatives/friends whose homes are not situated in a flood hazard area and who are capable of providing housing during an emergency, etc. These numbers should be kept in a prominent, easily accessible location.

Important Emergency Numbers in Stamford are:

Emergency (Ambulance/Rescue) – 911

Police – 911

Fire – 911

Important Emergency Numbers You Should Have Available Include:

Personal Physician - _____

Local Pharmacy - _____

Local Transportation - _____

Alternate Residence - _____

Other - _____

- Maintain the following articles and/or consider practicing the following:
- A map of the facility shall be available to all workers to make them aware of stream, ditches, drainage areas, and other low-lying areas of the property. Know and practice evacuation routes and procedures from the work site to higher ground (See sections below relating to vehicular and pedestrian evacuation).

- Have a portable battery powered radio, a working flashlight, fresh batteries, small canister fire extinguisher (ABC type), shovel and a basic tool kit containing a hammer, screwdrivers, pliers, scissors, razor/utility knife.

EMERGENCY SITUATIONS:

During intense storms the Owner may be required to take appropriate emergency actions. These actions may range from the careful monitoring of the progress of a storm to the evacuation of the property.

Generally, the City of Stamford, State of Connecticut Department of Energy and Environmental Protection Board, and/or the National Weather Service maintain a series of rain gauges, water level sensors and other technological resources throughout the Tri-State area to monitor the progress of a severe storm and flood events.

As conditions dictate, flood watches, warnings, evacuation notices and/or other important information may be broadcast on local radio and television stations. During the days and hours preceding a major storm event, The Owner of All Season Materials that are on storm watch should carefully monitor local radio and television reports for relevant weather and flood hazard information.

To receive information regarding emergency events, call the Emergency Information Hotline at (203) 977-8840, or tune into one of the following local media outlets:

- Fairfield County Public Radio – 91.1 FM and 1400 AM
- WSHU Public Radio 90.1 and 91.1 FM and WGCH 1490 AM
- WGCH Radio – 1490 AM
- Fox Radio – 95.9 FM
- News12 Connecticut – Channel 12

As weather conditions worsen, and if there is a risk of potential flooding, The Owner may be asked to consider the following:

- Monitor the level of Noroton River and the surrounding area from within the property or from a safe distance. Never enter or approach a riverine area, area affected by a surging tide or known flood hazard area.
- Monitor local radio and television broadcasts for up-to-date weather and flood hazard information.
- Limit the use of your telephone to allow for important phone messages or emergency calls.
- Initiate action to reduce potential damages caused by adverse weather conditions and flood. Appropriate action may include the following:

- Store, elevate or make provisions for safe, dry storage of electronic equipment, potentially pollution causing materials (such as weed killer or oil), and other readily damaged items.
- Bring outdoor possessions inside the shed to prevent them from floating or blowing away. These items include garbage cans, tools, signs, recycling bins, building supplies and other moveable objects.
- Assigned trained personnel shall lay down coir logs at the perimeter of the top soil pile to prevent soil erosion.
- **Move automobiles and other mobile non-essential equipment to high ground or place of safety. If there is ample advanced warning, cars should be moved to higher ground (See Figure 1).**
- Lock any exterior dumpster containment structure to prevent flotation of contents.
- Secure the premises and all equipment and machinery.
- Be ready to leave the premises if an evacuation is recommended.

EVACUATION:

Under extreme weather and/or flooding conditions, an evacuation of the premises may be recommended. A call for evacuation may be broadcast over the local radio and television stations noted above. All Employees should promptly move to a City designated shelter or an alternative (and previously designated) site. It is noted that the City of Stamford usually designates a shelter based upon availability and special circumstances (traffic, weather, flooding of roads, etc.). The location of available public shelters may be broadcast over local radio and television stations. Other important evacuation considerations are as follows:

- **Vehicular Evacuation – When the option for a vehicular evacuation of the site is available, Employees may determine to proceed as follows: West on Camp Ave to Ryan St or Hope St on high ground. (See Figure 1).**
- Never drive through fast moving water or over any bridge that is inundated. Fast moving waters have been known to transfer cars and their occupants downstream – often with tragic results. Flooded bridges may often seem sound, however, the presence of a guardrail, street sign or other structure above floodwaters does not guarantee the integrity or presence of the bridge surface.
- If your car stalls in a flooded area, abandon it immediately – many deaths have been attributed to occupied cars being washed downstream.

- Beware of downed tress and power lines. Never drive across a downed power line. Always assume that the downed line is a live line.
- Treat all non-working traffic lights as stop signs. Proceed cautiously at intersections.
- **Pedestrian Evacuation** – In the event that the floodwaters rise rapidly and there is no time to move vehicles from the property, Workers may leave the property and proceed as follows: West on Camp Ave, right turn on Ryan St. Or straight onto Hope St to high ground and safe shelter. (See Figure 1).
- Generally, areas of ponded/flowing water should be avoided to ensure personal safety.
- Assist other workers as necessary.

POST FLOOD:

When the flood has subsided, appropriate officials will determine if and when the building is safe to re-enter. The Employees shall oversee all necessary remedial measures including the following:

- Assess any damage to structures and arrange for repair.
- If necessary, arrange any maintenance that may be required on the grounds.
- Secure all property that may have moved during flooding.
- Contact your insurance carrier as necessary.
- Hire qualified professionals (engineers/architects/contractors) to evaluate and appropriately repair flood damage. Note that building and other related permits/approvals may be required from local code enforcement officials to properly repair the damage/restore services.

REFERENCES

- "Checklist to Flood Preparedness," by Carol Donzella, Flood Auditor, USDA, Soil Conservation Service
- "What You Need to Know About Storms and Power Outages," Northeast Utilities.