



Risk Management Services

WINTER WEATHER CHECKLIST

Facility _____ Survey by _____
Location _____ Date _____

Be Prepared!

When preparing for a possible winter storm or freeze, use this checklist to minimize your facilities exposures. Instituting the following precautions before, during, and after a storm or freeze-up can help mitigate the severity of the loss as well as enhance the overall safety of the facility.

The following checklist is intended to provide our customers with the general information needed to plan and implement an adequate response to catastrophic winter weather exposures. The purpose of this form is to help protect lives, property, and other assets of the organization and to ensure a prompt and efficient transition from emergency operations back to normalcy.

| Actions to Take Prior to Freezing Temperatures/Winter Storms | Checklist |
|---|--|
| General Precautions | |
| Review and implement PHLY's POINT Strategy to combat pipe freeze, breakage, and subsequent water damage | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Initiate a well-trained emergency response team and review annually to ensure duties are current | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Ensure the plan contemplates impassible roads and power outages | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Develop a list of phone numbers for emergency response contractors, and appoint someone to monitor weather reports | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Buildings | |
| Maintain indoor temperatures above 45° F in heated areas to prevent pipe freeze-ups. Install low temperature alarms with central station response at remote buildings or in remote building spaces | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Ensure integrity of building envelope is in good condition by closing up unnecessary openings. Ensure windows, doors, and skylights are weather-tight | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Inspect remote areas for possible freezing conditions; install and monitor portable heaters/heat tracing for piping in unheated areas only as needed | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Insulate walls and investigate concealed spaces for areas lacking insulation. Consider providing temporary interior openings to allow in heat | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Roofs | |
| Assess your roof's capacity for excessive snow loads (roofs with elevation changes present a greater danger) and consult a professional engineer | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Institute a roof snow removal program for after a heavy snow to help reduce excessive snow loads and blocked roof drains from ice | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Monitor roof snow levels especially in areas susceptible to large drifts; clear and monitor all roofs and yard drains during/after storms | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Ensure attics are fully insulated; maintain ventilation in attic spaces to control for ice dams | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Heating Systems | |
| Examine the entire heating system components (e.g. boilers, piping, burners, and controls) prior to the cold weather. Repair all deficiencies | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| For boilers: completely drain idle equipment, elevate low points or provide drain valves on condensate return lines, remove low points and dead ends, check all service lines for possible freezing, and install heat tracing around control lines transmitter boxes and piping that carries water to the water glass | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Ensure heating equipment is capable of maintaining building temperatures above 45° F at the coldest point within a building (corners, eaves, or areas without heat) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Schedule complete routine inspections for all space heaters to ensure operation | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Ensure adequate clearance is maintained between all heating equipment and combustible walls, floors, partitions, platforms, and stock | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Fire Protection Equipment/Domestic Water Lines | |
| Establish a procedure to ensure snow is routinely cleared away from hydrants, sprinkler control valves, smoke and heat vents, and other essential equipment, and to make sure this equipment is easily accessible | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Lubricate all sprinkler control valves and locks to permit ease of operation | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Label location of outside sprinkler control valves and hydrants for easy visibility | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Convert any wet pipe systems in unheated areas to dry or anti-freeze systems | Yes <input type="checkbox"/> No <input type="checkbox"/> |

WINTER WEATHER CHECKLIST - *continued*

| Pre-Storm Precautions | Checklist |
|---|--|
| For dry systems: maintain all dry valve rooms above 45°F, insulate enclosure or provide portable heaters if necessary. Check pitch of piping and drain all low points and auxiliary drains | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Make sure fire pump room is properly heated and the system is operational | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Inspect all gravity tanks for leaks (ice accumulation can create risk of collapse) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Check the water temperature of the fire pump suction tank or gravity tank daily. The tank temperature should be kept above 45°F | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Shut and drain "close-in-winter" systems or convert to anti-freeze systems | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Check the specific gravity of all existing anti-freeze systems to see if more concentrate is needed | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| All wet pipe standpipe systems with piping located in areas subject to freezing should be heated, insulated, and monitored for temperature | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Connections to all water motor gongs should be properly drained to prevent freezing | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Use a fire protection impairment kit when shutting off fire protection systems for maintenance | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Insulate water supply, drain, and condensate lines susceptible to freezing (near doorways, uninsulated outside walls, or adjacent to open windows) or provide UL listed heat trace insulate | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Remove all hoses from outside water faucets and install "frost-proof" self-draining type faucets or isolated indoors and opened to drain | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Miscellaneous Maintenance | |
| Provide adequate heat for water-cooled equipment | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Use lubricants on low-temperature applications in equipment such as pumps, blowers, and compressors in areas subjected to freezing temperatures | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Remove water from oil coolers and water jackets, and drain condensers of chilling units for air conditioning | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Check pressure vessel vents, relief valves, and safety valves to assure moving parts are functional | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Construct wind breaks for piping and instruments subjected to low wind chills | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Verify adequate fuel supplies in the event of a large storm, particularly with oil-fired equipment and for emergency generators | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Contact manufacturers and contractors of critical machinery to establish a contract for priority support with backups | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Ensure data processing software, files, records, etc. have been properly backed up and transported off-site | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Install water detection devices and/or water flow monitoring systems to quickly identify water leakage | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Actions to Take Following Freezing Temperatures/Winter Storms | |
| Initiate salvage activities immediately, including: | |
| Secure site (remove high value or water sensitive items) and assess damage (take photos and video) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Implement the action plan for the storm emergency team | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Institute the emergency repair program with utility contractors after loss of electric or gas power, telephone services, or public water supply | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Return all fire protection systems to service as soon as possible | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Contact PHLI Claims at 1.800.765.9749 for adjusting and related services | Yes <input type="checkbox"/> No <input type="checkbox"/> |

Signed _____ Dated _____
 Additional Comments _____

800.873.4552

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