

NONRESIDENTIAL FLOOD DAMAGE SURVEY

(Personal Interview)

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NONRESIDENTIAL FLOOD DAMAGE QUESTIONNAIRE

1. What year was your business established at this location? _____

2. Briefly describe the major purpose of this business facility? _____

3. How many buildings are there at this facility? _____

4. Please indicate the number of full time, part time, and total employees.

_____ _____ _____
Full Time Part Time Total Employees

5. How many shifts are there in your daily operation?

_____ Shifts per day

6. While at this location, approximately how many times has this facility experienced flood damage, including the flooding from the (date) floods?

_____ Times

7. How many days, if any, was this business closed due to the (date) floods?

_____ DAYS

7a. Did your business set up temporary quarters at another location because of the (date) floods?

1. NO
2. YES

7b. How much additional money did the flood cost your business in increased operational expenses, such as temporary quarters, additional transportation, communications, or storage expenses?

\$ _____

8. Just before (date) floods, how did you first become aware that flooding might reach your business?

1. TV
2. RADIO
3. TELEPHONE BY A PUBLIC OR EMERGENCY WORKER
4. TELEPHONE BY OTHER
5. FACE TO FACE BY PUBLIC OR EMERGENCY WORKER
6. FACE TO FACE BY OTHER
7. LOUDSPEAKER
8. SIREN
9. C.B., HAM RADIO or POLICE SCANNER
10. NEWSPAPER
11. OBSERVING THE CREEK OR RIVER WATER LEVELS
12. OTHER _____

8a. How many hours were there between the time you became aware that flooding might reach your business until the water actually reached your property?

_____ HOURS

9. What actions, if any, did you take to safeguard your business property immediately prior to flooding and what were the dollar damages prevented by each action?

(PLEASE CIRCLE ALL THAT APPLY AND INDICATED THE DOLLARS DAMAGES PREVENTED FOR EACH ACTION.)

Damage Preventive Action	Took Preventive Action	Dollar Damage Prevented
1. Moved contents to higher ground		
2. Elevated contents to a higher spot in the building		
3. Shut off electrical equipment		
4. Sandbagged the outside of the building		
5. Used another type of temporary barrier		
6. Moved vehicles to higher ground		
7. Other action _____		
8. None		

To be filled out by the interviewer:

1. What is the four-digit North American Standard Industrial Classification Number for this business?

2. What is the Marshall-Swift Occupancy Code for this business?

PART TWO
INDIVIDUAL BUILDING DATA

(Include one sheet for each building)

1. Building Number _____
2. Prior to the (date) floods, what was the value of all equipment physically attached or anchored to this building, not including the building itself? \$ _____
3. Prior to the (date) floods, what was the value of all other equipment, furniture, supplies, raw materials, and inventory generally stored in this building? \$ _____
4. Prior to the (date) floods, what was the value of all vehicles generally stored at this building? \$ _____
5. Prior to the (date) flooding, what was the value of all other equipment, supplies, and inventory stored outside of, but in the immediate vicinity of this building? \$ _____
6. Please indicate how high in feet and inches that the water got on the inside of the building relative to the first floor of the building?
_____ FEET; _____ INCHES (ABOVE, BELOW) First Floor Level
[CIRCLE]

7. Please indicate the approximate dollar value of damage from the (date) floods to the following categories:

Structure Damage = Damage to any building components, including foundation, walls, floors, doors, windows, roof, electrical system, heating and cooling systems, plumbing, attached carpeting, attached shelves and cabinets, and built-in equipment and appliances.

Content Damage = Damage to unattached equipment, supplies, raw materials, and inventory.

Vehicles and Outside Property Damage = Damage to vehicles parked on premises; damage to inventory, materials, and equipment kept outside; and damage to signs, landscaping, and parking areas.

Preventive Costs = Costs of moving contents prior to and after flooding to avoid damage, costs of flood fighting.

Clean Up Costs = Costs of labor and materials to clean up interior and outside of building.

Business Record Replacement Costs = The financial costs and unpaid hours for reconstructing business records that were damaged by the flood.

TYPE OF DAMAGE	AMOUNT OF COST OR DAMAGE
STRUCTURE DAMAGE	\$ _____
CONTENT DAMAGE	\$ _____
VEHICLE DAMAGE	\$ _____
PREVENTIVE COSTS	\$ _____
CLEANUP COST	\$ _____
LANDSCAPING AND OUTSIDE PROPERTY	\$ _____
UNPAID HOURS OF TIME FOR CLEAN AND REPAIR	_____ UNPAID HOURS
BUSINESS RECORD REPLACEMENT COSTS	\$ _____ _____ UNPAID HOURS

9. How long did the water remain in this building?

_____ DAYS _____ HOURS

10. Excluding any basement or attic how many stories does this building have?

_____ STORIES

11. What is the average story height in this building?

_____ FEET

12. What year was this building constructed? _____

13. What is the shape of this building?

1. Square
2. Rectangular
3. L-shaped
4. U-shaped
5. Very Irregular

14. What is the size of your building in square feet? (If respondent is unsure, ask for the dimensions and calculate.)

_____ SQUARE FEET

15. Indicate what type of heating and cooling system is used in your building?

- | | | |
|--------------------------|--------------------------------------|--------------------------|
| 1. Electric | 9. Ventilation | 17. Complete HVAC |
| 2. Electric Wall | 10. Wall Furnace | 18. Evaporative Cooling |
| 3. Forced Air | 11. Package Unit | 19. Refrigerated Cooling |
| 4. Hot Water | 12. Warmed and Cooled Air | |
| 5. Hot Water, Radiant | 13. Hot and Chilled Water | |
| 6. Space Heater | 14. Heat Pump | |
| 7. Steam | 15. Floor Furnace | |
| 8. Steam, Without Boiler | 16. Individual Thruwall
Heat Pump | |

16. Does this building have a basement?

- 0. NO
- 1. YES

16a. If yes, please indicate the total basement area, and the area in square feet or dimensions of the area that is finished and unfinished? (If respondent is unsure, ask for the dimensions and calculate.)

Total Area: _____ Square Feet

Finished Area: _____ Square Feet

Unfinished Area: _____ Square Feet

To be filled out by the interviewer:

1. What is the 5-digit zip code of this business? _____

2. Indicate the class of this building.
Circle the appropriate letter.

- A. Fireproof Structural Steel Frame
- B. Reinforced Concrete Frame
- C. Masonry Bearing Walls
- D. Wood or Steel Stud Framed Exterior Walls
- S. Metal Frame Walls
- M. Mill Type Construction
- P. Pole Frame Construction

3. Indicate the rank (quality) of this building?

- 1. Low
- 2. Average
- 3. Above Average or Good
- 4. High Cost or Excellent

4. What is the effective age of this building?

_____ Years

5. How many passenger elevators are in this building?

_____ Passenger Elevators

6. How many freight elevators are in this building?

_____ Freight Elevators