



RIVER FLOOD ACTION PLAN

*RIVER LEVEL FLOODING RESULTS

11.1 Feet *Minor flooding* (At this river level, water is moving at a flow rate of 64,132 gallons/second)
River breaches bank on the west side of Custenborder Field near the Raw Water Pump Station

12.1 Feet *Minor flooding* (At this river level, water is moving at a flow rate of 74,410 gallons/second)
River breaches bank on Riverside Drive

- ❖ Flooding of Custenborder Field at East River Intake
- ❖ Flooding of homes along the Great Miami River on Riverside Drive from BK Root Beer Stand to the City Limits

14.6 Feet *Moderate flooding* (At this river level, water is moving at a flow rate of 102,848 gallons/second)
River breaches west bank on County Rd 25A South

- ❖ County Rd 25A near Cemetery will flood north to the Big Four Bridge where the Jersey Barriers are located

18.02 Feet *Major flooding* (At this river level, water is moving at a flow rate of 147,812 gallons/second)
River breaches Jersey Barriers on South Ohio in front of Big Four Bridge

- ❖ Flooding of Crescent Drive Area
- ❖ Flooding of South Ohio Area
- ❖ Flooding of Brooklyn Ave Area

18.54 Feet *Record Flooding* (At this river level, water is moving at a flow rate of 155,239 gallons/second)
River breaches 100 yr floodwall

- ❖ Entire south end of the City is flooded

NATIONAL WEATHER SERVICE DEFINITIONS

Minor flooding: Minimal property damage, but possibly some public threat or inconvenience (isolated road flooding).

Moderate flooding: Some inundation of structures and roads near stream. Some evacuations of people and/or transfer of property to higher elevations are necessary.

Major flooding: Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations.

Record Flooding: Flooding which equals or exceeds the highest stage or discharge at a given site during the period of record keeping.

* As measured by River Level Gauge Reading at North Street Bridge

- North Street Bridge: 0 ft = 923.68 elevation
- Big Four Bridge: 0 ft = 917.33 ft elevation

THE FOLLOWING ACTION STAGES MAY VARY DUE TO:

- *WEATHER FORECAST*
- *EXISTING GROUND CONDITIONS*
- *REPORTS OF FLOODING IN UPSTREAM WATERSHED*

***ACTION STAGE – CITY RESPONSE**

10.5 Feet Water Treatment Plant contact:

- Contact the Utilities Director to determine if the flood stage needs to be activated. If the Utilities Director is unreachable, contact the Public Works Director.
 - The Utilities Director will coordinate with the Public Works Director and City Manager to confirm the decision.
 - Once confirmed, the Water Treatment Plant will then proceed with contacting the following list:
 - Fire Department
 - Parks & Recreation Department

Assignments

- Fire Department:
 - Prepare river rescue equipment
 - Dispatch to advise City residents on Riverside Drive from Custenborder Field to City Limits – advise of rising water levels. (Using CivicReady)
- Parks Department:
 - Move park equipment out of Custenborder Field.
- Utilities Department:
 - Start Stormwater Screw Pumps on Enterprise and South Miami.
- Water Treatment Plant:
 - Initiate monitoring of River Levels every 30 minutes.
- City Manager:
 - Issue Public Notice of rising river levels.
 - Advise residents to monitor river levels at www.sidneyoh.com website.

12.1 Feet Water Treatment Plant Contact:

- Contact the Utilities Director to determine if the flood stage needs to be activated. If the Utilities Director is unreachable, contact the Public Works Director.
 - The Utilities Director will coordinate with the Public Works Director and City Manager to confirm the decision.
 - Once confirmed, the Water Treatment Plant will then proceed with contacting the following list:
 - Fire Department
 - Parks & Recreation Department
 - Community Development Director

Assignments

- Fire Department:
 - Monitor Riverside Drive & Brooklyn Ave Residential Areas for Flooding.
- Parks Department:
 - Monitor Water Levels At Custenborder Field.
- Community Development Director
 - Monitor Structural Damage Due to Flooding.
- Public Works Director:
 - Email Staff Advising Not to Call River Gauge. WTP use only.

13.5 Feet Water Treatment Plant contact:

- Contact the Utilities Director to determine if the flood stage needs to be activated. If the Utilities Director is unreachable, contact the Public Works Director.
 - The Utilities Director will coordinate with the Public Works Director and City Manager to confirm the decision.
 - Once confirmed, the Water Treatment Plant will then proceed with contacting the following list:
 - Police & Fire Department
 - Parks & Recreation Department

Assignments

- Utilities Department:
 - Personnel start filling sand bags.
 - Setup Jersey barriers on South Main in front of the Big Four Bridge. Barriers to be installed per attached drawing.
 - Place sandbags at river bank south of Big Four Bridge at low spot.
 - Place sandbags behind church at Berger Park on S. Miami.
 - Initiate 24 hr monitoring of river and barriers.

- *Street Department:
 - Personnel start filling sand bags.
 - Setup Traffic Detour per attached drawing.
- *Parks Department:
 - Personnel start filling sand bags.
 - Assist Utilities and Street, if available.
- Wastewater Treatment Plant:
 - Setup sandbags around Raw Sewage Pump Station.
- Fire Department:
 - Monitor Riverside Drive and Brooklyn Ave Residential Areas for Flooding.

* Depending on staff availability

14.2 Feet Water Treatment Plant contact:

- Contact the Utilities Director to determine if the flood stage needs to be activated. If the Utilities Director is unreachable, contact the Public Works Director.
 - The Utilities Director will coordinate with the Public Works Director and City Manager to confirm the decision.
 - Once confirmed, the Water Treatment Plant will then proceed with contacting the following list:

➤ Police & Fire Department

Assignments

Emergency Operations Center Activated

- Supervisors Report to Police Department.
- Non-Supervisory Personnel Report to Service Center.
- City Staff review attached 100 yr Flood Map to determine evacuation areas.

14.6 Feet Water Treatment Plant contact:

- Contact the Utilities Director to determine if the flood stage needs to be activated. If the Utilities Director is unreachable, contact the Public Works Director.
 - The Utilities Director will coordinate with the Public Works Director and City Manager to confirm the decision.
 - Once confirmed, the Water Treatment Plant will then proceed with contacting the following list:

➤ Police & Fire Department

River bank south of Big Four Bridges is breached

Assignments

- As determined by EOC

18.02 Feet Water Treatment Plant contact directly:

- City Manager
- Public Works Director
- Utilities Director
- Police & Fire Department

River breaches Jersey Barriers

Assignments

- As determined by EOC

18.3 Feet Water Treatment Plant contact directly:

- City Manager
- Public Works Director
- Utilities Director
- Police & Fire Department

River breaches 100 Yr. Flood Wall

Assignments

- As determined by EOC

River Gauge Information

GAUGE LOCATION

Latitude 40°17'12", Longitude -84°09'00" WGS 84,
Shelby County, Ohio, Hydrologic Unit 05080001
USGS 03261500

DRAINAGE AREA

Contributing drainage area 541 square miles

GAGE

Datum of gage is 923.68 feet above sea level SID01.

SITE TYPE

Shelby County, Hydrologic Unit 05080001 / USGS 03261500, on right bank 50 ft upstream from North Street Bridge in Sidney, and 0.5 mi downstream from Tawawa Creek.