

## Emergency Operations

Emergency Operations are executed through a comprehensive action plan. The decision to activate all or part of the plan is based on data received from several sources through our monitoring network. The primary source is elevation data received from telemetry stations installed on the Susquehanna River, Spring Run and Shamokin Creek.

Decisions to implement particular flood fighting operations are condition specific and may vary drastically depending upon the type of event, pre-event conditions, anticipated duration and the magnitude of the event.

The emergency plan contained within, is a truncated version of our detailed plan which provides viewers with a general understanding of the type of flood fighting activities that may be executed at certain flood elevations.

## Sunbury Municipal Authority

# FLOOD CONTROL



**SUNBURY**  
**MUNICIPAL AUTHORITY**  
 Flood Operations Center  
 826 Hillside Drive  
 Sunbury, PA 17801



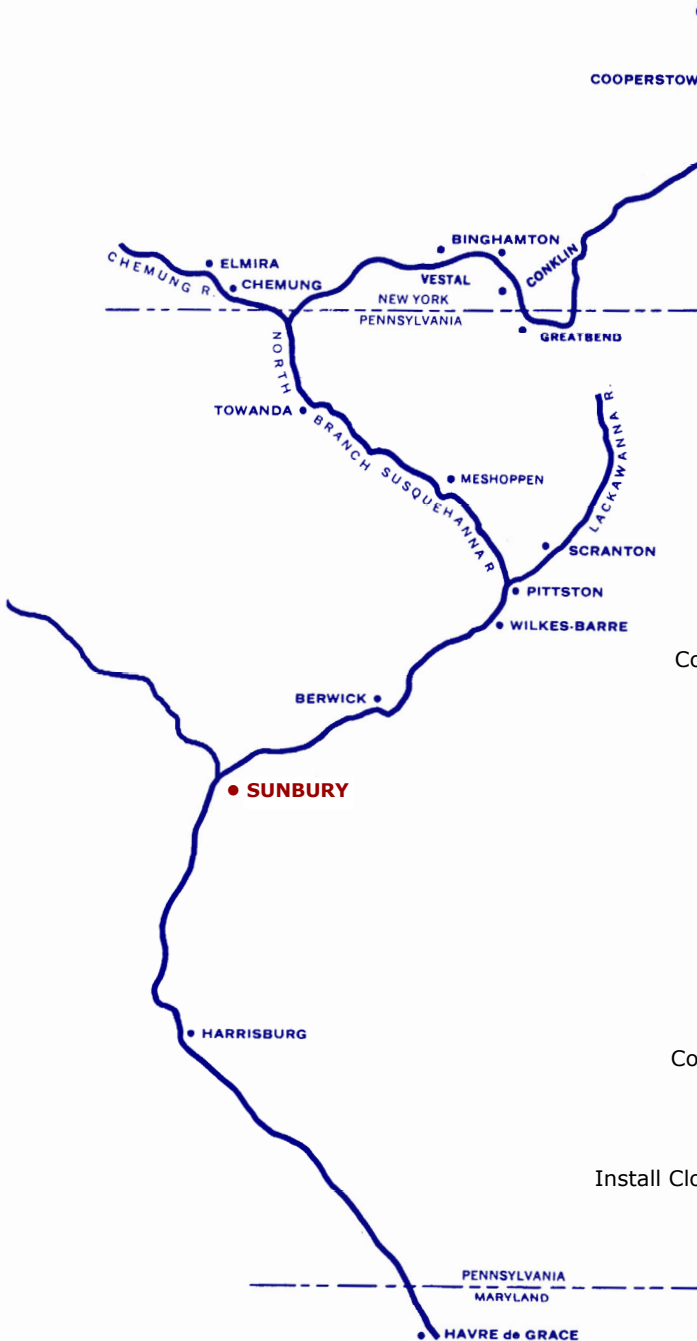
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**PAID**  
 PERMIT NO. 38  
 SUNBURY, PA

# Emergency Operations

## Summary Plan

### River/Stream Gage Legend

<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Susquehanna River Gage
<span style="background-color: blue; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Shamokin Creek Gage
<span style="background-color: red; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Spring Run Gage



### DESIGN INFORMATION

STREAM	DRAINAGE AREA	DESIGN DISCHARGE	FREEBOARD
Susquehanna River	18,296 Sq. Mi.	556,000 cfs	3.0
Shamokin Creek	137 Sq. Mi.	16,000 cfs	3.0
Spring Run	1.13 Sq. Mi.	100 cfs	

12 feet Susquehanna  
Activate Reagan Street Pumping Station and close gravity gates

14.4 feet Susquehanna  
Activate Church Street Pumping Station and close gravity gates

16 feet Susquehanna  
3.3 feet Shamokin  
Check Shamokin Creek drainage structures for debris and/or obstructions

17 feet Susquehanna  
Check Drainage Structure #6 (Lower Susquehanna Section) for debris and/or obstructions

18 feet Susquehanna  
4.1 feet Shamokin  
428.5 feet Spring Run  
Check Shamokin Creek Drainage Structure #2 for infiltration

19 feet Susquehanna  
Activate Spring Run pumping station pump #3 and close gravity gates

Activate Hopper Alley Pumping Station and close gravity gates  
Monitor all pump stations every 4-hours in the event of rain or high runoff  
Activate Underpass Pumping Station and close gravity gates  
Pre-inspect all closure structures  
Make arrangements for the possibility of hauling additional sand

429.5 feet Spring Run  
Activate Spring Run pumping station flood pumps

20 feet Susquehanna  
Check Shamokin Creek drainage structure #3 for infiltration

21 feet Susquehanna  
9.7 feet Shamokin  
Begin monitoring all Shamokin Creek drainage structures for infiltration

22 feet Susquehanna  
Entrance to sand supply plant begins inundation

25 feet Susquehanna  
14 feet Shamokin Creek  
Possible closure installation situation  
Contact PennDOT of possible closure - Closure Structure #3 (East Market St.)

26 feet Susquehanna  
Place personnel at the Flood Control Operations Center 24 hours a day

27 feet Susquehanna  
15 feet Shamokin Creek  
Begin 24-hour monitoring of levee - Initiate Sectional Plan  
Contact River Forecast Center/Weather Service for Updates  
Contact volunteers and put them on stand-by  
Contact Authority managers and put all personnel on stand-by  
Contact City crew and put them on stand-by  
Contact electricians and put them on stand-by

28 feet Susquehanna  
Place 2 operators at Front St. pumping stations  
Restrict access on grassy areas of system  
Contact media for assistance in filling sandbags and miscellaneous work detail  
Contact CP Rail of possible closure - Closure Structure #1 (VFW)

16 feet Shamokin Creek  
29 feet Susquehanna  
Install Closure Structure #1 (VFW), notify CP Rail, local officials and media of closure

17 feet Shamokin Creek  
Install Closure Structure #3 (East Market St.)

19 feet Shamokin Creek  
Install Closure Structure #4 (Zimmerman's)  
Install Closure Structure #5 - South 10th Street Bridge

30 feet Susquehanna  
Begin 24-hour monitoring of the wall - Initiate Sectional Plan

31 feet Susquehanna  
Contact Norfolk Southern of possible closures

32 feet Susquehanna  
Install Closure Structure #6 - Norfolk Southern tracks - Weis Markets  
Notify Norfolk Southern, local officials and media  
Install Closure Structure #7 - Norfolk Southern tracks - Celotex

35 feet Susquehanna  
Limit of Protection