



ALCOSAN Draft Wet Weather Plan

Background

On January 23, 2008, ALCOSAN became party to a **Consent Decree (CD)** issued by the Federal Court in Pittsburgh on behalf of the US Environmental Protection Agency (EPA), PA Department of Environmental Protection (DEP) and the Allegheny County Health Department (ACHD). CDs have been issued to municipalities across the nation to comply with objectives set by the federal Clean Water Act and Combined Sewer Overflow Control Policy, as well as state laws and local regulations. Their purpose is to improve water quality in receiving waters and protect designated waterway uses that include drinking water, recreation, aquatic life, and others.

The CD was the result of seven years of negotiations and compromise. The primary requirements for meeting compliance are to eliminate Sanitary Sewer Overflows (SSOs) and control the amount of Combined Sewer Overflows (CSOs) being discharged into the Ohio, Allegheny and Monongahela rivers, and their tributary streams of Chartiers Creek, Saw Mill Run, and Turtle Creek. ALCOSAN's mandate is to:

- develop a Wet Weather Plan that identifies wastewater infrastructure needs through 2046;
- describe actions and facilities needed to meet the requirements of the CD; and
- provide a schedule to complete and operate all improvements by September 30, 2026.



The Wet Weather Plan

Released for public review and comment on July 31, 2012, ALCOSAN's draft Wet Weather Plan (WWP) is the culmination of more than 10 years of research, collaboration and analysis. It provides a blueprint on how the region will address federal regulations for sewer overflows and represents what will be the largest capital infrastructure project in the region's history. The Plan may be viewed in its entirety [here](#), and is also available for

review at each municipality's administrative offices and at all Carnegie Library of Pittsburgh branches.

Public Meetings / Comment Period

The designated public comment period for the WWP was July 31 to October 19, 2012. During this period, ALCOSAN hosted a series of public meetings throughout the service area to present the Plan and accept both written and oral comments from the public and customer municipalities. Comments that were received through the period will be submitted with the final version of the Plan to be given to the regulatory agencies by January 30, 2013.

Companion Booklet

Due to the size and technical content of the WWP document, ALCOSAN has also created a **WWP Companion Document** that provides an easy-to-read summary of the Plan and how it was generated.

[About Us](#) >

[Customer Care](#) >

[Business Opportunities](#) >

[Wet Weather Issues](#) >

ALCOSAN Draft Wet Weather Plan

[Draft WWP - Full Document](#)

[Consent Decree](#)

[ALCOSAN System Mapping](#)

[Sewer Overflow Advisories](#) >

[Education](#) >

[Media Room](#) >

[Sitemap](#) >

Current SOAK Status:

Inactive - Out of Season

Customer Care

At ALCOSAN, we believe it's our duty and privilege to protect, recover and reuse our most valuable resource for the benefit of our customers.

[Please click here for more information](#)

Consent Decree

To comply with provisions set forth in the Clean Water Act, ALCOSAN must meet a series of requirements for planning, design and construction, operation and permitting. [Please click here for more information.](#)

Watershed Education

Leave small leftovers of paint and solvents to dry rather than pouring them down the drain. [Learn more.](#)



ALCOSAN Draft Wet Weather Plan

Executive Summary

Table of Contents
Bibliography
Abbreviations & Acronyms

Section 1: Introduction

Section 2: Municipal Coordination & Public Coordination

Section 3: Existing Systems & Conditions
3.2 Chartiers Creek Planning Basin
3.3 Lower Ohio/Girty's Run Planning Basin
3.4 Main Rivers Planning Basin
3.5 Saw Mill Run Planning Basin
3.6 Turtle Creek Planning Basin
3.7 Upper Allegheny Planning Basin
3.8 Upper Monongahela Planning Basin

Section 4: Hydrologic and Hydraulic Characterizations (Part 1)
4.1 Flow & Precipitation Monitoring
4.2 Hydrologic & Hydraulic Modeling
4.3 Regional Hydrologic & Hydraulic Characterization
4.4 Characterization of the Chartiers Creek Basin

Hydrologic and Hydraulic Characterizations (Part 2)
4.5 Characterization of Lower Ohio/Girty's Run Basin
4.6 Characterization of the Main Rivers Basin
4.7 Characterization of the Saw Mill Run Basin
4.8 Characterization of the Turtle Creek Basin
4.9 Characterization of the Upper Allegheny Basin
4.10 Characterization of the Upper Monongahela Basin

Section 5: Receiving Water Characterization
5.1 Physical Characterization
5.2 Applicable Water Quality Standards
5.3 Water Quality Monitoring Programs
5.4 Water Quality Monitoring Results
5.5 Water Quality Modeling

Section 6: Current Conditions - Financial & Institutional Assessment

Section 7: Future Conditions

Section 8: Overview of Technology & Site Screening

Section 9: Alternatives Analysis
9.2 Woods Run WWTP and Satellite Treatment Alternatives
9.3 Municipal Planning Information
9.4 Basin Alternatives Analysis
9.5 System-Wide Alternatives Analysis (Part 1)
9.5 System-Wide Alternatives Analysis (Part 2)
9.5 System-Wide Alternatives Analysis (Part 3)
9.6 Selected Plan
9.7 Affordable 2026 Alternatives

Section 10: Recommended 2026 Plan (Part 1)
10.1 Recommended 2026 Plan Overview
10.2 Complementary and WWTP Early Action Projects
10.3 Woods Run WWTP Expansion
10.4 Regional Tunnel and Dewatering Pump Station
10.5 Ohio River Tunnel and Facilities
10.6 Allegheny River Tunnel and Facilities

Recommended 2026 Plan (Part 2)
10.7 Monongahela River Tunnel and Facilities
10.8 Chartiers Creek Conveyance & Treatment
10.9 Benefits of the Recommended 2026 Plan

Section 11: Implementation Plan

About Us >

Customer Care >

Business Opportunities >

Wet Weather Issues >

ALCOSAN Draft Wet Weather Plan

Draft WWP - Full Document

Consent Decree

ALCOSAN System Mapping

Sewer Overflow Advisories >

Education >

Media Room >

Sitemap >

Current SOAK Status:

Inactive - Out of Season

Customer Care

At ALCOSAN, we believe it's our duty and privilege to protect, recover and reuse our most valuable resource for the benefit of our customers.

[Please click here for more information](#)

Consent Decree

To comply with provisions set forth in the Clean Water Act, ALCOSAN must meet a series of requirements for planning, design and construction, operation and permitting. [Please click here for more information.](#)

Watershed Education

Leave small leftovers of paint and solvents to dry rather than pouring them down the drain. [Learn more.](#)

Appendix A: Municipal Coordination & Public Participation

- A1.1 Basin Planning Committees (BPC)**
- A1.2 BPC Meeting Minutes**
- A2.1 Newsletters - Chartiers Creek Basin**
- A2.2 Newsletters - Connections**
- A2.3 Newsletters - Lower Ohio / Girty's Run Basin**
- A2.4 Newsletters - Main Rivers Basin**
- A2.5 Newsletters - Overflow Monitor**
- A2.6 Newsletters - Saw Mill Run Basin**
- A2.7 Newsletters - Turtle Creek Basin**
- A2.8 Newsletters - Upper Allegheny Basin**
- A2.9 Newsletters - Upper Monongahela Basin**
- A3.1 Customer Municipality Advisory Committee (CMAC)**
- A4.1 3 Rivers Wet Weather (3RWW) Program Groups**
- A5.1 Municipal One-on-One Meetings**
- A6.1 Regional Stakeholder Group (RSG)**
- A7.1 Annual Public Meetings - Executive Summary**
- A7.2 Annual Public Meetings - Booklet 2010**
- A7.3 Annual Public Meetings - Booklet 2011**
- A8.1 Public Comment Documentation**
- A9.1 Responsiveness Summary**

Appendix B: Anticipated Populations & Flow Volumes at Each POC

[Contact](#) | [News](#) | [Events](#) | [Consent Decree](#) | [Careers](#) | [Sitemap](#)

All content © Copyright Allegheny County Sanitary Authority

3300 Preble Avenue
Pittsburgh, PA 15233
(412) 766-4810

ContentPane



[Edit Media Options](#)

Draft Wet Weather Plan Comment Form

Please use this form to submit your comments regarding the ALCOSAN Draft Wet Weather Plan only. For all other matters, please visit our [Contact Us](#) page.

All requested information must be provided in its entirety for documentation and inclusion in the official project record. The public comment period for the Plan is July 31 to October 19, 2012.

[Edit Text](#)

Dynamic Forms Quick Menu



Pennsylvania

Would you like to receive a response to your comments?
 Yes
 No

sWrra9

Submit

RightPane

- [About Us](#) >
- [Customer Care](#) >
- [Business Opportunities](#) >
- [Wet Weather Issues](#) >
- [Sewer Overflow Advisories](#) >
- [Education](#) >
- [Media Room](#) >
- [Sitemap](#) >
- [Admin](#) v

- Site Settings
- Pages
- Security Roles
- User Accounts
- Vendors
- Site Log
- Newsletters
- File Manager
- Recycle Bin
- Event Viewer
- Skins
- Languages
- Site Wizard
- Authentication
- Solutions Explorer

- Host** v
- Host Settings
- Portals
- Module Definitions
- File Manager

Current SOAK Status:
Inactive - Out of Season

Customer Care

At ALCOSAN, we believe it's our duty and privilege to protect, recover and reuse our most valuable resource for the benefit of our customers.

[Please click here for more information](#)

Consent Decree

To comply with provisions set forth in the Clean Water Act, ALCOSAN must meet a series of requirements for planning, design and construction, operation and permitting. [Please click here for more information.](#)