

**Appendix A-1:
Basin Planning Committees (BPC)**

List of Committees



ALCOSAN Basin Facilities Planning Basin Planning Committee (BPC)

List of Committees

Planning Basins and Customer Municipalities

Chartiers Creek Basin

Bethel Park Municipality
Bridgeville Borough
Carnegie Borough
Castle Shannon Borough
Collier Township
Crafton Borough
Green Tree Borough
Heidelberg Borough
Ingram Borough
Kennedy Township
McDonald Borough
McKees Rocks Borough
Mt. Lebanon Municipality
North Fayette Township
Oakdale Borough
Peters Township
Pittsburgh City
Robinson Township
Rosslyn Farms Borough
Scott Township
South Fayette Township
Stowe Township
Thornburg Borough
Upper St. Clair Township

Lower Ohio/Girty's Run Creek Basin

Avalon Borough
Bellevue Borough
Ben Avon Borough
Ben Avon Heights Borough
Emsworth Borough
Etna Borough
Franklin Park Borough
Kennedy Township
Kilbuck Township
McCandless Township
Millvale Borough
Neville Township
Ohio Township
Pittsburgh City
Reserve Township
Robinson Township
Ross Township
Shaler Township
Stowe Township
West View Borough

Main Rivers Creek Basin

Pittsburgh City
Reserve Township
Ross Township

Saw Mill Run Creek Basin

Baldwin Township
Bethel Park Township
Brentwood Borough
Castle Shannon Borough
Crafton Borough
Dormont Borough
Green Tree Borough
Mt. Lebanon Municipality
Mt. Oliver Borough
Pittsburgh City
Scott Township
Whitehall Borough

Turtle Creek/Thompson Run Creek Basin

Braddock Hills Borough
Chalfant Borough
Churchill Borough
East McKeesport Borough
East Pittsburgh Borough
Forest Hills Borough
Monroeville Municipality
North Braddock Borough
North Huntingdon Township
North Versailles Township
Penn Township
Penn Hills Municipality
Pitcairn Borough
Plum Borough
Trafford Borough
Turtle Creek Borough
Wall Borough
Wilkins Township
Wilkesburg Borough
Wilmerding Borough

Upper Allegheny Creek Basin

Aspinwall Borough
Blawnox Borough
Churchill Borough
Etna Borough
Fox Chapel Borough
Indiana Township
McCandless Township
O'Hara Township
Penn Hills Municipality
Pittsburgh City
Ross Township
Shaler Township
Sharpsburg Borough
Verona Borough
Wilkesburg Borough

Upper Monongahela Creek Basin

Baldwin Borough
Braddock Borough
Braddock Hills Borough
Brentwood Borough
Churchill Borough
Edgewood Borough
Forest Hills Borough
Homestead Borough
Mt. Oliver Borough
Munhall Borough
North Braddock Borough
Penn Hills Municipality
Pittsburgh City
Pleasant Hills Borough
Rankin Borough
Swissvale Borough
West Homestead Borough
West Mifflin Borough
Whitaker Borough
Whitehall Borough
Wilkinsburg Borough

Meeting Agendas by BPC

Chartiers Creek Basin



ALCOSAN Basin Facilities Planning Chartiers Creek Basin Committee Kick-Off Meeting Agenda

Date: Thursday, July 31, 2008

Time: 9:00 -11:00 am

Location: Green Tree Borough Building

- | | |
|-------------------------|---|
| 9:00 – 9:10 am | Welcome |
| 9:10 – 9:20 am | Chartiers Creek Basin Planning Committee Introductions |
| 9:20 – 9:30 am | Review of Meeting Agenda, Purpose, and Objectives |
| 9:30 – 9:45 am | Background and Basin Planning Process Overview |
| 9:45 – 10:30 am | Facilitated Municipal Exchange on Basin Planning Process |
| 10:30 – 10:45 am | Information Exchange and Municipal Profiles Overview |
| 10:45 – 11:00 am | Expectations and Action Items |



ALCOSAN Basin Facilities Planning Chartiers Creek Basin Planning Committee Meeting Agenda

Date: Wednesday, October 29, 2008

Time: 9:00 -11:00 am

Location: Carnegie Municipal Building

- 9:00 – 9:15 am** **Welcome, Agenda Review, and Committee Question/Issue Opportunity**
- 9:15 – 9:20 am** **Basin Planning Status**
- **One-on-One Municipal Meetings**
 - **Flow Monitoring and Mapping**
- 9:20 – 9:40 am** **Understanding the System: Capacity v. Flow**
- **Overview of the System**
- 9:40 – 10:00 am** **Basin Planning and Municipal Feasibility Studies**
- **Conceptual Overview & Interaction Between Municipalities/ Basin Planning/ ALCOSAN**
 - **Hydraulic Model of the Collection System**
 - **Municipal System Evaluations**
 - **Near Term Activities**
- 10:00 – 10:15 am** **ALCOSAN Update**
- **Regional Stakeholder Committee**
 - **Customer Municipal Advisory Committee**
- 10:15 – 10:45 am** **Municipal Roundtable (Questions and Concerns)**
- 10:45 – 11:00 am** **Action Items and Wrap-Up**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Chartiers Creek

Meeting Purpose / Number: Basin Planning Committee Meeting Number 3

Date / Time: Thursday, March 5, 2009 @ 9:00AM

Location: Scott Township Municipal Building

Welcome / Agenda Review

Presentation: Programmatic Updates and Information Exchange (ALCOSAN/3RWW)

- Flow Monitoring
- Mapping
- CMAC
- Regional Stakeholder Group
- Information Exchange:
 - ALCOSAN Updated Municipal Web-Site

Presentation: Financial Data Collection

Presentation/ Discussion: Basin Planning Activities (Chartiers Basin Planning Team):

- Flow Monitoring Data Analysis/ Modelling
- Existing Conditions Report Status/ Review
 - Data Collection Next Steps
- Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:
 - Understanding Requirements & Schedule for Municipal Input into Basin Wet Weather Plan
 - Status and Schedule for Each Municipality

Discussion: Public Participation (Chartiers Basin Planning Team):

- Stakeholder and Interest Groups – Identification & Involvement

Next Steps (Chartiers Basin Planning Team):

- Basin Planning Committee #4
- Interim Meetings

Questions/Discussion:



ALCOSAN Basin Facilities Planning Chartiers Creek Basin Planning Committee Meeting # 4 Agenda

Date: Wednesday, June 17, 2009

Time: 9:00 -11:00 am

Location: Collier Municipal Building

9:00 – 9:15 am Welcome and Introductions (Herb Higginbotham, Tetra Tech)

9:15 – 9:35 am General Updates (Dan Lockard, ALCOSAN)

- **Act 537**
- **ALCOSAN secure website**
- **Financial planning**
- **Public participation**
- **Basin outreach (Kellie DuBay, Tetra Tech)**

9:35 – 9:45 am Programmatic Updates (Carol Hufnagel, Tetra Tech)

9:45 – 10:00 am Technology Screening (Carol Hufnagel, Tetra Tech)

10:00 – 10:30 am Selecting Sites and Locations (Carol Hufnagel, Tetra Tech)

10:30 – 11:00 am Information Exchange and Action Items



ALCOSAN Basin Facilities Planning Meeting Agenda

**Chartiers Creek Basin
Basin Planning Committee Meeting No. 5
September 17, 2009 / 9:00 AM
Upper St. Clair Community Center**

8:30 Sign In and Materials Pickup Begins

9:00 Welcome and Introductions (Higginbotham)

9:10 Agenda review and meeting objectives (Hufnagel)

9:10 Status Update and Information Availability (Hufnagel/ Lockard)

- Technical Data Updates
- Financial Updates
- Municipal/ ALCOSAN Coordination Updates

9:45 Sites and Technologies Screening and Evaluation

- Potential Sites Identified for ALCOSAN facilities and process (Joe McCay)
- Potential Routes Identified for relief interceptor and process (John Killips)

10:45 Wrap-Up / Next Steps

- Next Meeting – Date TBD January 2010
- Alternative Development

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: Chartiers Creek

**Meeting Purpose/Number: Basin Planning Committee/
Meeting #6**

Date / Time: February 17, 2010 9:00 am

Location: Mt. Lebanon Recreation Center

- 1. Welcome and Introduction**
- 2. H & H Model Status and Schedule**
 - a. Model Timeline
 - b. Model Extents
 - c. Documentation
- 3. Preliminary Flow Estimates (Municipalities)**
- 4. Alternative Scoring Criteria Exercise**
- 5. Alternatives Development (Feasibility Report)**
 - a. Alternative Identification
 - b. Preliminary Sizing Analysis
 - c. Technology Considerations
 - d. Example of Clustering Issues and Municipal / ALCOSAN interface
- 6. Alternative Scoring Criteria Exercise (Results Tabulation and Discussion)**
- 7. Updates**
 - a. **Basin Planner Activities**
 - b. **Outreach (Municipal, Public)**
 - c. **Financial Data Collection**
- 8. Next Steps**
- 9. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Chartiers Creek

Meeting Purpose/Number : Basin Planning Committee/ Meeting #7

Date / Time: July 1, 2010 9-11am

Location: Carnegie Municipal Building

- 1. Welcome and Introductions**
- 2. Status Review (BP)**
- 3. Modelling and PFEs (BP)**
 - a. H&H Model and Report Distribution
 - b. BP/Municipal Model Coordination & Assistance
 - c. Future Conditions/ Municipal PFEs Received/Outstanding
 - d. PFE Status and Resolution of PFE/ Basin Model Differences.
- 4. Site/Basin Alternatives Development Progress and Evaluation Strategies (BP)**
- 5. Program Updates**
 - a. Outreach (Municipal, Public, CMAC/RSG) (AECOM)
 - b. ACT Update (ALCOSAN)
 - c. Municipal Web Site Update (ALCOSAN)
- 6. Financial Data Collection Status and Affordability Analysis (PM)**
- 7. Next Steps**
 - a. Upcoming Schedule (BP)
- 8. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Chartiers Creek

Meeting Purpose/Number: Basin Planning Committee/ Meeting #8

Date / Time: September 30, 2010 9:00 am

Location: Scott Township Community Room

- 1. BPC # 7 Recap (BP)**
- 2. Modelling and PFEs (BP)**
 - a. Future Conditions / Municipal PFEs Received/Outstanding
 - b. PFE Status and Resolution of PFE / Basin Model Differences
- 3. Feasibility Report and Present Worth Analysis (BP)**
 - a. Basin Alternatives Development Update
 - b. Integration of Alternatives into Regional Plan
- 4. Municipal Feasibility Study Work (BP)**
 - a. Status/Issues / Informational needs
- 5. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings) (BC)
 - b. ACT Update (ALCOSAN)
 - c. Municipal Web Site Update (ALCOSAN)
- 6. Next Steps (BP)**
 - a. Upcoming Schedule
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Chartiers Creek

Meeting Purpose/Number: Basin Planning Committee/ Meeting # 9

Date / Time: February 10, 2011 9:00 am

Location: Scott Township Community Room

- 1. BPC # 8 Recap**
- 2. Basin Feasibility Report**
 - a. Basin Alternatives
 - b. Integration of Alternatives into Regional Plan
- 3. Municipal Feasibility Studies**
 - a. Status/Issues / Informational needs
 - b. Alternatives under Consideration
 - c. PFEs and Alternatives Sizing
 - d. Potential for Green Solutions (if applicable)
- 4. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
 - b. Considering Sewer Consolidation
- 5. Summary of Meetings** (to be held by end of January)
 - a. Meetings with Municipal Managers, Regulators; on Special Topics
- 6. Next Steps**
 - a. Upcoming Schedule
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

**Chartiers Creek BPC Meeting # 10
June 2, 2011 1:30 PM; Green Tree Fire Hall**

- 1. BPC # 9 Recap**
- 2. Basin Facilities Planning**
 - a. Update on Alternatives
 - b. Integration of municipal alternatives
 - c. System-wide alternative development
 - d. Planning schedule
- 3. Municipal Planning**
 - a. Submittal Status
 - b. Summary of Submittals
 - c. Municipal Input on Alternatives Development Status and Schedule
- 4. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, Community, etc.)
- 5. Regionalization**
- 6. Next Steps**
 - a. Upcoming activities and schedule
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning BPC #11 Meeting Agenda

**Chartiers Creek BPC Meeting #11
October 6, 2011 2:00
Scott Township Community Room**

- 1. BPC #10 Recap**
- 2. Basin Feasibility Studies**
 - a. Feasibility Study Update
 - b. Basin / Regional Alternatives
 - c. Integration of Municipal Alternatives
 - d. Facilities Plan Development
 - e. Schedule Update
- 3. Municipal Planning**
 - a. Planning Information Update
 - (i) Reconciliation of Planning Information
 - (ii) Outstanding Municipal Information
 - b. Municipal Feasibility Studies
 - (i) Feasibility Study Development
 - (ii) Alternatives (Storage, Conveyance, Source Reduction, etc.) and Costs
- 4. Program Updates**
 - a. Outreach
 - (i) Municipal Coordination
 - (ii) CMAC/RSG
 - (iii) Fall Town Hall Meetings
- 5. Regionalization Study**
- 6. Next Steps**
 - a. Upcoming Activities and Schedule
 - b. Future BPC Meetings/ Feed back
- 7. Questions/Discussion**



**ALCOSAN Basin Facilities Planning
BPC Meeting No. 12 Agenda
Chartiers Creek Planning Basin
Green Tree Fire Hall
May 8, 2012 10:30 AM**

Slides / Presenter

- 1. Welcome**
- 2. BPC #11 Recap** **Basin Planner**
- 3. Basin Facilities Plan** **Basin Planner**
 - a. Updated Basin Alternative(s)
 - b. Integration of Municipal Alternatives
 - c. Regional / System-Wide Alternatives
 - d. Additional Municipal Info / Updates
- 4. Draft Wet Weather Plan** **Program Mgr.**
 - a. Regional Plan
 - b. Municipal Information
- 5. Update on Program Outreach** **ALCOSAN**
 - a. BQAR
 - b. CMAC / RSG
 - c. Extended Outreach
 - d. ALCOSAN Open House (Sept 15)
 - e. Future Communications – BPC meetings, BQARs, newsletters, etc.
- 6. Regionalization Study** **ALCOSAN**
- 7. Next Steps** **Program Mgr.**
 - a. Draft WWP Submittal
 - b. Public / Municipal Review and Comment
- 8. Questions and Discussion**

Lower Ohio/Girty's Run Basin



ALCOSAN Basin Facilities Planning Meeting Agenda

Municipal Coordination/Outreach Meeting
Date / Time: August 5, 2008; 1:30 P.M.
Location: Shaler Municipal Building

Introduction:

Overview:

- Wet Weather Planning Process
 - Overall Planning Process and Work Group Intro
- Lower Ohio – Girty's Run Basin Facility Planning Project
 - Specific Scope and Approach
- Shared Compliance Responsibilities
 - Schedule coordination with municipal order schedules

Status of Current Activities:

- Flow Monitoring
- Mapping

Information Exchange:

- Basin Planners need from Municipalities
- Municipalities need from ALCOSAN
- Contacts and Protocols

Process: (Strategic Work Groups)

- Basin Planning Committee (BPC)
 - Groupings and Membership
- Stakeholder Involvement Work Groups
 - Define Stakeholders
 - Stakeholder Involvement

Next Steps: Future BPC Meetings



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run Planning Basin
Meeting Purpose / Number: Ohio River Communities Meeting Number 2
Date / Time: October 20, 2008; 1:30 – 3:00 P.M.
Location: Avalon Borough Building

1. Meeting Goals, Agenda Review and August 5, 2008 Meeting Summary
2. Current Activities – Status
 - a. Flow Monitoring
 - b. Mapping (identified issues)
 - c. Information Exchange
 - i. Municipal System Characterization Summary
 - ii. ALCOSAN NMC Review (comments due 10/23/08)
 - iii. Existing Conditions Report (T.O.C.)
3. Near Term Activities – Status
 - a. Regional Wet Weather Planning
 - b. Initiation of Municipal Feasibility Study Process
 - i. Requirements (local flow management, design and max storms, etc)
 - ii. Plan of Action and schedule of elimination of SSOs/CSOs from Municipal Collection Systems
 - iii. Municipal Feasibility Study Completion Schedule
 - c. Model Extent
4. Public Outreach – Status
 - a. Customer Municipal Advisory Committee (CMAC)
 - b. Regional Stakeholder Committee (RSC)
5. Next Steps
6. Next Meeting



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run Planning Basin
Meeting Purpose / Number: Girty's Run Communities Meeting Number 2
Date / Time: October 27, 2008; 9:00 – 11:00 A.M.
Location: Girty's Run Joint Sewer Authority

1. Meeting Goals, Agenda Review and August 5, 2008 Meeting Summary
2. Current Activities – Status
 - a. Flow Monitoring
 - b. Mapping (identified issues)
 - c. Information Exchange
 - i. Municipal System Characterization Summary
 - ii. ALCOSAN NMC Review (comments due 10/23/08)
 - iii. Existing Conditions Report (T.O.C.)
3. Near Term Activities – Status
 - a. Regional Wet Weather Planning
 - b. Initiation of Municipal Feasibility Study Process
 - i. Requirements (local flow management, design and max storms, etc)
 - ii. Plan of Action and schedule of elimination of SSOs/CSOs from Municipal Collection Systems
 - iii. Municipal Feasibility Study Completion Schedule
 - c. Model Extent
4. Public Outreach – Status
 - a. Customer Municipal Advisory Committee (CMAC)
 - b. Regional Stakeholder Committee (RSC)
5. Next Steps
6. Next Meeting



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run Planning Basin
Meeting Purpose / Number: Lowries Run Communities Meeting Number 2
Date / Time: October 27, 2008; 1:00 – 3:00 P.M.
Location: Girty's Run Joint Sewer Authority

1. Meeting Goals, Agenda Review and August 5, 2008 Meeting Summary
2. Current Activities – Status
 - a. Flow Monitoring
 - b. Mapping (identified issues)
 - c. Information Exchange
 - i. Municipal System Characterization Summary
 - ii. ALCOSAN NMC Review (comments due 10/23/08)
 - iii. Existing Conditions Report (T.O.C.)
3. Near Term Activities – Status
 - a. Regional Wet Weather Planning
 - b. Initiation of Municipal Feasibility Study Process
 - i. Requirements (local flow management, design and max storms, etc)
 - ii. Plan of Action and schedule of elimination of SSOs/CSOs from Municipal Collection Systems
 - iii. Municipal Feasibility Study Completion Schedule
 - c. Model Extent
4. Public Outreach – Status
 - a. Customer Municipal Advisory Committee (CMAC)
 - b. Regional Stakeholder Committee (RSC)
5. Next Steps
6. Next Meeting



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Lower Ohio/Girty's Run Planning Basin
Loweries Run/Girty's Run Communities**

**Meeting Purpose / Number: Basin Planning Committee
Meeting Number 3**

Date / Time: March 11, 2009 - 8:30 A.M.

Location: Girty's Run Joint Sewer Authority Building

Meeting Goals, Agenda Review, 10/27/08 Summary

Status Update ALCOSAN/3RWW:

- Technical Items
 - Flow Monitoring
 - Model Extents
 - Mapping
- Public Outreach Items
 - Customer Municipal Advisory Committee (CMAC)
 - Regional Stakeholder Group
 - Public Meetings: EPA Consent Decree & Sewer Overflows

Information Exchange

- ALCOSAN Updated Municipal Web-Site
- Ross Township Basin Planning Web-Site
- Municipal Data

Program Manager Presentation: Financial Data Collection

Existing Conditions Reports:

- Status Municipal Review and Comments

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements and Near Term Regional Activities
- Status for each municipality
- Schedule

Next Steps:

- BPC #4 Workshop Format



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Lower Ohio/Girty's Run Planning Basin
Ohio River Communities**

**Meeting Purpose / Number: Basin Planning Committee
Meeting Number 3**

Date / Time: March 16, 2009 - 1:00 P.M.

Location: Avalon Borough Municipal Building

Status Update ALCOSAN/3RWW:

- Technical Items
 - Flow Monitoring
 - Model Extents
 - Mapping
- Public Outreach Items
 - Customer Municipal Advisory Committee (CMAC)
 - Regional Stakeholder Group
 - Public Meetings: EPA Consent Decree & Sewer Overflows

Information Exchange

- ALCOSAN Updated Municipal Web-Site
- Ross Township Basin Planning Web-Site
- Municipal Data

Program Manager Presentation: Financial Data Collection

Existing Conditions Reports:

- Status Municipal Review and Comments

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements and Near Term Regional Activities
- Status for each municipality
- Schedule

Next Steps:

- BPC #4 Workshop Format

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Lower Ohio/Girty's Run
Ohio River Sub-Basin**

Meeting Purpose/Number: Basin Planning Committee/ Meeting #4

Date / Time: Thursday, June 25, 2009/ 1:30 – 3:30 p.m.

Location: Avalon Borough Building

1. Program Update

- a. Flow Monitoring
- b. Modelling
 - i. Design Storms and Typical year
- c. Public Participation
 - i. CMAC/RSG
 - ii. Basin Quarterly Activity Report
 - iii. Basin Public Outreach Program Implementation

2. Technology and Site Screening

- a. Screening Process
- b. Technologies Under Consideration
- c. Sites
- d. Screening Criteria
- e. Municipal Input

3. Control Alternatives and Development

- a. Early Action Projects/ Multi-Municipal Projects
 - i. Source Controls (I/I reduction)-Rehab Critical Sewers
- b. Basin "Pilot" Projects

4. Act 537 Funding

5. ALCOSAN Municipal Secure Website

6. Financial Information Update

7. Coordinated Schedule-Basin Planning and Municipal Feasibility Studies



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Girty's Run/Lowries Run Sub-Basin

Meeting Purpose/Number: Basin Planning Committee/ Meeting #4

Date / Time: Tuesday, June 30, 2009/ 9:00 – 11:00 a.m.

Location: Girty's Run Joint Sewer Authority

1. Program Update

- a. Flow Monitoring
- b. Modelling
 - i. Design Storms and Typical year
- c. Public Participation
 - i. CMAC/RSG
 - ii. Basin Quarterly Activity Report
 - iii. Basin Public Outreach Program Implementation

2. Technology and Site Screening

- a. Screening Process
- b. Technologies Under Consideration
- c. Sites
- d. Screening Criteria
- e. Municipal Input

3. Control Alternatives and Development

- a. Early Action Projects/ Multi-Municipal Projects
 - i. Source Controls (I/I reduction)-Rehab Critical Sewers
- b. Basin "Pilot" Projects

4. Act 537 Funding

5. ALCOSAN Municipal Secure Website

6. Financial Information Update

7. Coordinated Schedule-Basin Planning and Municipal Feasibility Studies



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Lower Ohio/Girty's Run
Ohio River Sub Basin
Basin Planning Committee Meeting No. 5
September 28, 2009 - 1:00 P.M.
Location: Avalon Borough Building**

Welcome and Review

Technical Data Update

- Flow Monitoring
- H&H Modelling and Model Report
- Design Storms and Typical Year Rainfall
- Protocols for:
 - Sharing Compiled Flow Data/Summaries for Municipal Critical Sewers
 - Disseminating Modelling Information from BP Model to Municipalities
- Reminder about ALCOSAN Municipal Secure Website

Financial Update

- Early Action Projects
- Alternative Costing Tool (ACT)
- Funding Update
- Municipal Financial Data Update

Municipal/ALCOSAN Coordination Update

- CMAC/RSG
- Basin Forum/Basin Quarterly Activity Report/Comment Cards
- BPC Meeting #3 and #4 Coordination Handout material reminder
- Feasibility Study Working Group

Sites and Technologies Screening and Evaluation

- Overview of SCSR
- Municipal Input to SCSR
- A look forward

Wrap-Up / Next Steps

- Next Meeting
- Agenda Topics



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Lower Ohio/Girty's Run
Girty's Run/Lowries Run Sub-Basin
Basin Planning Committee Meeting No. 5
October 6, 2009 - 9:00 A.M.
Location: Girty's Run Joint Sewer Authority**

Welcome and Review

Technical Data Update

- Flow Monitoring
- H&H Modelling and Model Report
- Design Storms and Typical Year Rainfall
- Model Sharing Protocols
- Reminder about ALCOSAN Municipal Secure Website

Financial Update

- Early Action Projects
- Alternative Costing Tool (ACT)
- Funding Update
- Municipal Financial Data Update

Municipal/ALCOSAN Coordination Update

- CMAC/RSG
- Basin Forum/Basin Quarterly Activity Report/Comment Cards
- BPC Meeting #3 and #4 Coordination Handout material reminder
- Feasibility Study Working Group

Sites and Technologies Screening and Evaluation

- Overview of SCSR
- Municipal Input to SCSR
- A look forward

Wrap-Up / Next Steps

- Next Meeting
- Agenda Topics



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Lower Ohio/Girty's Run
Ohio River Sub Basin
Basin Planning Committee/ Meeting #6
March 4, 2010 – 1:00 P.M.
Location: Avalon Borough Building**

- 1. Welcome and Program Update**
- 2. Screening of Controls & Sites Report**
 - a. Status and update
- 3. H & H Modelling**
 - a. Release to Municipalities
 - b. Existing Condition Results
 - c. Model Application
- 4. Preliminary Flow Estimates**
- 5. Feasibility Report and Present Worth Analysis**
 - a. Alternatives Development & Evaluation Strategy
 - b. Preliminary Site Alternatives
 - c. Cost of Performance Analysis
- 6. Municipal Feasibility Study Work**
 - a. Status/Issues/Informational needs
- 7. Public Outreach**
 - a. Municipal Outreach
 - b. Public Meetings (Public Forums and January General Meetings)
 - c. Additional Stakeholder participation in BPC meetings
- 8. Financial Data Collection**
- 9. Next Steps**
 - a. Upcoming Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Lower Ohio/Girty's Run
Girty's Run/Lowries Run Sub Basin
Basin Planning Committee/ Meeting #6
March 9, 2010 – 9:00 A.M.**

Location: Girty's Run Joint Sewer Authority Building

- 1. Welcome and Program Update**
- 2. Screening of Controls & Sites Report**
 - a. Status and update
- 3. H & H Modelling**
 - a. Release to Municipalities
 - b. Existing Condition Results
 - c. Model Application
- 4. Preliminary Flow Estimates**
- 5. Feasibility Report and Present Worth Analysis**
 - a. Alternatives Development & Evaluation Strategy
 - b. Preliminary Site Alternatives
 - c. Cost of Performance Analysis
- 6. Municipal Feasibility Study Work**
 - a. Status/Issues/Informational needs
- 7. Public Outreach**
 - a. Municipal Outreach
 - b. Public Meetings (Public Forums and January General Meetings)
 - c. Additional Stakeholder participation in BPC meetings
- 8. Financial Data Collection**
- 9. Next Steps**
 - a. Upcoming Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #7

Date / Time: July 8, 2010/ 9:00 a.m. – 11:00 a.m.

Location: Ross Township Municipal Building

- 1. Welcome and Introductions**
- 2. Program to Date Status Overview**
- 3. Modelling and Preliminary Flow Estimates (PFE)**
 - a. H&H Model and Report Distribution
 - b. BP/Municipal Model Coordination & Assistance
 - c. Municipal PFEs
 - d. Consensus of LOGR Model Representation
- 4. Alternatives Development and Evaluation Progress**
- 5. Municipal Feasibility Study Work**
- 6. Financial Data Collection Status and Affordability Analysis**
- 7. Program Updates**
 - a. Outreach (Municipal, Public, CMAC/RSG)
 - b. ACT Update
 - c. Municipal Web Site Update
- 8. Next Steps**
 - a. Upcoming Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #7

Date / Time: July 9, 2010/ 9:00 a.m. – 11:00 a.m.

Location: Avalon Borough Municipal Building

- 1. Welcome and Introductions**
- 2. Program to Date Status Overview**
- 3. Modelling and Preliminary Flow Estimates (PFE)**
 - a. H&H Model and Report Distribution
 - b. BP/Municipal Model Coordination & Assistance
 - c. Municipal PFEs
 - d. Consensus of LOGR Model Representation
- 4. Alternatives Development and Evaluation Progress**
- 5. Municipal Feasibility Study Work**
- 6. Financial Data Collection Status and Affordability Analysis**
- 7. Program Updates**
 - a. Outreach (Municipal, Public, CMAC/RSG)
 - b. ACT Update
 - c. Municipal Web Site Update
- 8. Next Steps**
 - a. Upcoming Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #8

Date / Time: October 12, 2010/ 10:30 a.m. – 12:00 p.m.

Location: Avalon Borough Municipal Building

- 1. Welcome and Introductions**
- 2. Program to Date Status Overview**
- 3. Modeling / Preliminary Flow Estimates (PFE) / Municipal Feasibility Study Work**
 - a. Municipal PFEs/Status Overview
 - b. Status update/completion schedule/information needs
 - c. Final Peak Flow Estimates
 - d. Consensus of LOGR Model Representation
 - e. BP/Municipal Model Coordination & Assistance
- 4. Alternatives Development Status**
 - a. Basin Alternative Development Update
- 5. Program Updates**
 - a. Outreach (BQAR#5, ALCOSAN October Community meetings, CMAC/RSG)
 - b. ACT Update
 - c. Municipal Web Site Update
- 6. Next Steps**
 - a. Upcoming Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run – Lowries Run / Girty's Run Sub-Basin
Meeting Purpose/Number : Basin Planning Committee/ Meeting #9
Date / Time: March 7, 2011 @ 1:00 P.M.
Location: Ross Township Municipal Building

- 1. Welcome and Introductions**
- 2. Program to Date Status Overview**
- 3. Basin Feasibility Report**
 - a. Basin Alternatives
 - b. Integration of Alternatives into Regional Plan
- 4. Municipal Feasibility Studies**
 - a. Status/Issues / Informational needs
 - b. Alternatives under Consideration
 - c. PFEs and Alternatives Sizing
 - d. Potential for Green Solutions (if applicable)
- 5. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
 - b. ALCOSAN Sewer Consolidation Evaluation
- 6. Summary of Meetings** (to be held by end of January)
 - a. Meetings with Municipal Managers, Regulators; on Special Topics
- 7. Next Steps**
 - a. Upcoming Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run – Ohio River Sub-Basin
Meeting Purpose/Number : Basin Planning Committee/ Meeting #9
Date / Time: March 8, 2011 @ 1:00 P.M.
Location: Avalon Borough Municipal Building

- 1. Welcome and Introductions**
- 2. Program to Date Status Overview**
- 3. Basin Feasibility Report**
 - a. Basin Alternatives
 - b. Integration of Alternatives into Regional Plan
- 4. Municipal Feasibility Studies**
 - a. Status/Issues / Informational needs
 - b. Alternatives under Consideration
 - c. PFEs and Alternatives Sizing
 - d. Potential for Green Solutions (if applicable)
- 5. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
 - b. ALCOSAN Sewer Consolidation Evaluation
- 6. Summary of Meetings** (to be held by end of January)
 - a. Meetings with Municipal Managers, Regulators; on Special Topics
- 7. Next Steps**
 - a. Upcoming Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #10

Date / Time: June 3, 2011 @ 9:00 A.M.

Location: Avalon Municipal Building

- 1. Welcome and Introductions**
- 2. Program to Date Status Overview**
- 3. Basin Facilities Planning**
 - a. Basin Alternatives Status
 - b. Integration of municipal alternatives
 - c. System wide alternative development
 - d. Planning schedule
- 4. Municipal Feasibility Planning**
 - a. Status/Issues / Informational needs
 - b. Alternatives under Consideration
 - c. PFEs
 - d. Potential for source reduction (Green Solutions/II reduction (if applicable))
- 5. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
- 6. Regionalization**
- 7. Next Steps**
 - a. Upcoming Activities and Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #10

Date / Time: June 10, 2011 @ 9:00 A.M.

Location: Ross Township Municipal Building

- 1. Welcome and Introductions**
- 2. Program to Date Status Overview**
- 3. Basin Facilities Planning**
 - a. Basin Alternatives Status
 - b. Integration of municipal alternatives
 - c. System wide alternative development
 - d. Planning schedule
- 4. Municipal Feasibility Planning**
 - a. Status/Issues / Informational needs
 - b. Alternatives under Consideration
 - c. PFEs
 - d. Potential for source reduction (Green Solutions/II reduction (if applicable))
- 5. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
- 6. Regionalization**
- 7. Next Steps**
 - a. Upcoming Activities and Schedule



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #11

Date / Time: October 13, 2011 @ 1:30 P.M.

Location: Ross Township Municipal Building

- 1. BPC #10 Recap**
- 2. Basin Feasibility Studies**
 - a. Feasibility Study Update
 - b. Basin / Regional Alternatives
 - c. Integration of Municipal Alternatives
 - d. Facilities Plan Development
 - e. Schedule Update
- 3. Municipal Planning**
 - a. Planning Information Update
 - (i) Reconciliation of Planning Information
 - (ii) Outstanding Municipal Information
 - (iii) Feasibility Study Development
 - (iv) Alternatives (Storage, Conveyance, Source Reduction, etc.) and Costs
- 4. Program Updates**
 - a. Outreach
 - (i) Municipal Coordination
 - (ii) CMAC/RSG
 - (iii) Fall Town Hall Meetings
- 5. Regionalization Study**
- 6. Next Steps**
 - a. Upcoming Activities and Schedule
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Lower Ohio/Girty's Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #12

Date / Time: May 9, 2012 @ 9:00 A.M.

Location: Avalon Borough Municipal Building

- 1. Welcome and Introductions**
- 2. Program Status**
- 3. Basin Facilities Plan**
 - a. Updated Basin Alternative(s)
 - b. Integration of Municipal Alternatives
 - c. Additional Municipal Info / Updates
- 4. Draft Wet Weather Plan**
 - a. Regional Plan
 - b. Municipal Information
- 5. Update on Program Outreach**
 - a. BQAR
 - b. CMAC / RSG
 - c. Extended Outreach
 - d. ALCOSAN Open House (Sept 15)
 - e. Future Communications – BPC meetings, BQARs, newsletters, etc.
- 6. Regionalization Study**
- 7. Next Steps**
 - a. Draft WWP Submittal
 - b. Public / Municipal Review and Comment

Main Rivers Basin



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Main Rivers Basin (MRB)

Meeting Purpose / Number: Basin Planning Committee Meeting Number 1

Date / Time: Wednesday, July 2, 2008, 10:00 am

**Location: Ross Township Municipal Complex
100 Ross Municipal Drive, Pittsburgh, PA 15237**

Introduction:

ALCOSAN Staff

Program Overview:

ALCOSAN Staff

- Shared Compliance Responsibilities
- Wet Weather Planning Process
- Community Outreach – The role of the Basin Planning Committee
- Contacts and Protocols
- Feasibility Studies

Program Status:

ALCOSAN Staff

- Flow Monitoring
- Mapping

MRB Scope and Schedule:

Jim Reynolds

- Activities and Tasks
- Schedule Coordination with Municipal Order Schedules

MRB Information Exchange:

Ann Scott

- Understanding Requirements
- Schedule

MRB Basin Planning Committee:

Karen Brean

- Municipal Partnering
- Define Stakeholders
- Stakeholder Involvement

MRB Siting Considerations:

- Local Planning Issues
- Development Opportunity
- Available Land or Preferred Locations

Jim Reynolds

MRB Next Steps:

Jim Reynolds

Questions/Discussion:

All

ALCOSAN Basin Facilities Planning Meeting Minutes



Basin: Main Rivers Basin (MR)

Meeting Purpose / Number: Basin Planning Committee Meeting Number 2

Date / Time: Wednesday, November 12, 2008; 10:00 am

**Location: Pittsburgh Water and Sewer Authority
1200 Penn Avenue, 2nd Floor, Pittsburgh, PA 15222**

-
- **Introduction and Welcome**
 - **Customer Municipal Advisory Committee (CMAC): Chester Engineers - MR Basin Team**
 - Role & Responsibility
 - **Regional Stakeholder Committee (RSC): Chester Engineers - MR Basin Team**
 - Role & Responsibility
 - Volunteers
 - **Flow Monitoring & Mapping: ALCOSAN**
 - Regional Flow Monitoring Plan & Current Mapping
 - Data Gap Analysis
 - **Modeling: Brown & Caldwell - MR Basin Team**
 - What is Modeling & how will it be used in planning?
 - Proposed Main Rivers Basin Model Extent
 - Regional Model Extents
 - Coordination with Municipalities
 - **Information Exchange: Chester Engineers - MR Basin Team**
 - Status
 - Missing/Additional Data Required
 - Cooperation of Main Rivers Communities
 - **Existing Conditions Reports: Chester Engineers - MR Basin Team**
 - Main Rivers Basin Draft Outline Due December 1, 2008

- **Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:**
ALCOSAN
 - Understanding Requirements
 - Status of each municipality
 - Schedule - Due six (6) months after ALCOSAN submits it's Wet Weather Plan (page 32 of 75 – Municipal COA)
 - Municipal Feasibility Studies
 - Deliverables – ALCOSAN seeks from Municipalities (page 53 ALCOSAN Consent Order)
 - SSO Response Plan – August 31, 2009
 - Hydraulic Capacity Evaluations – August 1, 2010
 - Long Term Control Plans – August 1, 2010
- **Next Steps: Chester Engineers – MR Basin Team**
 - Schedule for next Planning Committee Meeting
 - Information Needs
 - Status of Pending Deliverables
- **Questions/Discussion:**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Main Rivers Basin

Meeting Purpose / Number: Basin Planning Committee Meeting Number 3

Date / Time: Wednesday, February 25, 2009; 10:00 am

**Location: Pittsburgh Water and Sewer Office
1200 Penn Avenue, 2nd Floor**

Introduction: *Mike Litche*

Status Update ALCOSAN/3RWW: *Jim Reynolds*

- Flow Monitoring
- Model Extents
- Mapping
- CMAC *Mike Litche and Jim Protin*
- Regional Stakeholder Group *Mike Litche and Jim Protin*

Information Exchange *Jim Reynolds*

- ALCOSAN Updated Municipal Web-Site
- Data Collection Next Steps

Program Manager Presentation: Financial Data Collection

Tom Schevtchuk and Kaye Bealer

Existing Conditions Reports: *Jim Reynolds*

- Status Municipal Review and Comments

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies: *Mike Litche*

- Understanding Requirements
- Status for each municipality
- Schedule

Next Steps: *Mike Litche and Jim Reynolds*

- BPC No. Workshop

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: MAIN RIVERS BASIN

Meeting Purpose/Number: Basin Planning Committee/ Meeting #4

Date / Time: Thursday, June 4, 2009; 10:00 am

**Location: Pittsburgh Water and Sewer Offices
1200 Penn Avenue, 2nd Floor**

- 1. Introduction/Review** **Mike Lichte**

- 2. Technical Data Update** **Allen Fathi**
 - a. Flow Monitoring
 - b. H&H Modeling and Model Report
 - c. Alternative Screening Report
 - d. ALCOSAN secure Municipal Website

- 3. Financial Update** **Mike Lichte**
 - a. Alternative Costing Tool (ACT)
 - b. Early Action Projects
 - c. Municipal Financial Data

- 4. Municipal/ALCOSAN Coordination** **Mike Lichte**
 - a. Customer Municipal Advisory Committee (CMAC)
 - b. Regional Stakeholder Group (RSG)
 - c. Basin Meetings
 - d. Feasibility Study Working Group

- 5. Preliminary Sites & Technologies Screening and Evaluation**
S. Freedman & Mark Scally
 - a. Combined Sewer Overflow Statistics
 - b. 2005 Typical Year by Volume & Flow Relationship
 - c. Potential Control Technology Categories
 - d. Control Technologies selected for Preliminary Analysis
 - e. Controls Carried Forward without Siting Analysis
 - f. Spatial Requirements for Control Technologies
 - g. Criteria for Preliminary Screening of Control Technologies
 - h. Results of Preliminary Screening of Control Technologies
 - i. Site Screening Process & Resolute (Available Data)
 - j. Fatal Flow Analysis
 - k. Parcel Scoring Criteria
 - l. Parcel Ortho-Analysis
 - m. Site Screening Results
 - n. Other Critical Factors in Site Evaluation
 - o. Site and Technology Joint Evaluation
 - p. Alternatives Screening Upcoming Work

- 6. Next Steps** **Allen Fathi**

- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Main Rivers Basin

Meeting Purpose/Number: Basin Planning Committee Meeting No. 5

Date/Time: October 20, 2009; 10:00 AM

Location: PWSA Offices; 1200 Penn Avenue, 2nd Floor

1. Introduction / Review
2. Technical Data Update
3. Financial Update
4. Municipal / ALCOSAN Coordination Update
5. Technology Screening Review
6. Preliminary Sites Screening and Evaluation
7. Next Steps
8. Questions / Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: MAIN RIVERS BASIN

Meeting Purpose/Number: Basin Planning Committee/ Meeting #6

Date / Time: Thursday, March 11, 2010; 10:00 am

**Location: Pittsburgh Water and Sewer Offices
1200 Penn Avenue, 2nd Floor**

1. Program Update

- a. Meeting Minutes of October 20, 2009
- b. Screening of Sites & Controls Reports
- c. Existing Conditions Report

2. H& H Modelling and Model Report

- a. Release to Municipalities
- b. Model Report
- c. Model Applications

3. Preliminary Flow Estimates

- a. Municipalities will need to submit Preliminary Flow estimates - Spring 2010
- b. Outcome – ALL Flows to ALCOSAN
- c. Outcome – Maintain existing (baseline) flows
- d. Outcome – Reduce flows to ALCOSAN

4. Screening of Controls & Sites Report

- a. Top 10 Largest MR Basin Outfalls (Annual Volume, Outfall Frequency, Peak Flow)
- b. Categories of Control & Technologies - Examples

5. Feasibility Report and Present Worth Analysis Guidance

- a. Control Development Strategy
- b. Modelling Alternatives
- c. Cost of Performance Analysis
- d. Alternatives Development & Evaluation

6. Alternative Evaluation Criteria Weighting Exercise

7. Municipal Outreach

- a. Customer Municipality Advisory Committee
- b. Regional Stakeholder Group

8. Public Outreach

- a. Basin Wide Public Meetings held in November 2009
- b. ALCOSAN – Annual Public Meeting – January 2010
- c. Basin Wide Public Meetings – Tentatively Scheduled for October 2010
- d. Basin Activity Report – March 2010

9. Financial Update

- a. ALCOSAN Secure Municipal Website
- b. Alternative Costing Tool (ACT)
- c. Early Action Projects
- d. Funding Update
- e. Municipal Financial Data

10. Next Steps

- a. Model available to Communities – Spring 2010
- b. Continue Alternative Analysis
- c. Basin Planning Meeting No. 7
- d. Basin Quarterly Activity Report – June 2010
- e. Basin Feasibility Report
- f. ALCOSAN Public Meetings – Fall 2010

11. Prioritizing Exercise – Summary Results

12. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Main Rivers Basin

Meeting Purpose/Number: Basin Planning Committee/ Meeting #7

Date / Time: Tuesday, June 29, 2010; 10:00am

**Location: Pittsburgh Water and Sewer Offices
1200 Penn Avenue, 2nd Floor**

- 1. BPC # 6 Recap**
- 2. Modelling and PFEs**
 - a. H&H Model and Report Distribution
 - b. BP/Municipal Model Coordination & Assistance
 - c. Future Conditions/ Municipal PFEs Received/Outstanding
 - d. PFE Status and Resolution of PFE/ Basin Model Differences.
- 3. Site/Basin Alternatives Development and Evaluation**
 - a. Progress
 - b. Strategies
- 4. Financial Data Collection Status and Affordability Analysis**
- 5. Program Updates**
 - a. Basin Planner Activities
 - b. Outreach - Municipal, Public, CMAC/RSG
 - c. ACT Update
 - d. Municipal Web Site Update
- 6. Next Steps**
 - a. Upcoming Schedule
- 7. Questions/Discussion**

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: Main Rivers

Meeting Purpose/Number: Basin Planning Committee

Meeting Number 8

Date / Time: October 11, 2010/10:00 AM

**Location: Pittsburgh Water and Sewer Authority
1200 Penn Avenue, 2nd Floor**

- 1. BPC # 7 Recap**
- 2. Modelling and PFEs**
 - a. Future Conditions / Municipal PFEs Received/Outstanding
 - b. PFE Status and Resolution of PFE / Basin Model Differences
- 3. Feasibility Report and Present Worth Analysis**
 - a. Basin Alternatives Development Update
 - b. Integration of Alternatives into Regional Plan
- 4. Municipal Feasibility Study Work**
 - a. Status/Issues / Informational needs
- 5. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
 - b. ACT Update
 - c. Municipal Web Site Update
- 6. Next Steps**
 - a. Upcoming Schedule
- 7. Questions/Discussion**

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: MAIN RIVERS BASIN

Meeting Purpose/Number: Basin Planning Committee/ Meeting #9

Date / Time: Thursday, February 24, 2011, 2010; 10:00 am

**Location: Pittsburgh Water and Sewer Offices
1200 Penn Avenue, 2nd Floor**

- 1. BPC # 8 Recap**
- 2. Basin Feasibility Report**
 - a. Basin Alternatives
 - b. Integration of Alternatives into Regional Plan
- 3. Municipal Feasibility Studies**
 - a. Status/Issues / Informational needs
 - b. Alternatives under Consideration
 - c. PFEs and Alternatives Sizing
 - d. Potential for Green Solutions (if applicable)
- 4. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
 - b. Considering Sewer Consolidation
- 5. Summary of Meetings** (to be held by end of January)
 - a. Meetings with Municipal Managers, Regulators; on Special Topics
- 6. Next Steps**
 - a. Upcoming Schedule
- 7. Questions/Discussion**

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: MAIN RIVERS BASIN

Meeting Purpose/Number: Basin Planning Committee/ Meeting #10

Date / Time: Thursday, May 26, 2011; 10:00 am

**Location: Pittsburgh Water and Sewer Offices
1200 Penn Avenue, 2nd Floor**

- 1. BPC # 9 Recap**
- 2. ALCOSAN Feasibility Report & Basin Facilities Plan**
 - a. Alternatives Review and Update
 - b. Integration of municipal alternatives
 - c. System-wide alternative development
- 3. Municipal Planning**
 - a. Status/Issues / Informational needs
 - b. Planning information
 - c. Municipal Alternatives
 - d. Potential for source reduction (Green / II reduction etc.)
 - e. Municipal Feasibility studies
- 4. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, Community, etc.)
- 5. Regionalization**
- 6. Next Steps**
 - a. Upcoming activities and schedule
- 7. Schedule**
- 8. Questions/Discussion**

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: MAIN RIVERS BASIN

Meeting Purpose/Number: Basin Planning Committee/ Meeting #11

Date / Time: Friday, October 27, 2011; 9:00 am

**Location: Pittsburgh Water and Sewer Offices
1200 Penn Avenue, 2nd Floor**

- 1. BPC #10 Recap**
- 2. Basin Feasibility Studies**
 - a. Report Update
 - b. Basin / Regional Alternatives
 - c. Integration of Municipal Alternatives
 - d. Regional Integration
- 3. Basin Facilities Plan Development**
 - a. System Wide Alternatives
 - b. Report Contents
- 4. Municipal Planning**
 - a. Planning Information Update
 - (i) Reconciliation of Planning Information
 - (ii) Outstanding Municipal Information
 - b. Municipal Feasibility Studies
 - (i) Feasibility Study Development
 - (ii) Alternatives (Storage, Conveyance, Source Reduction, etc.) and Costs
- 5. Program Updates**
 - a. Outreach
 - (i) Municipal Coordination
 - (ii) CMAC/RSG
 - (iii) Fall Town Hall Meetings
- 6. Regionalization Study**
- 7. Next Steps**
 - a. Upcoming Activities and Schedule
 - b. Future BPC Meetings
- 8. Questions/Discussion**

Saw Mill Run Basin



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 1

Date: July 30, 2008

1. Introduction
2. Program Overview
 - a. Shared Compliance Responsibilities
 - b. Wet Weather Planning Process
 - c. Community Outreach
 - d. Contacts and Protocols
3. SMR Scope of Work and Schedule
 - a. Activities and tasks
 - b. Schedule Coordination with Municipal Order Schedules
 - c. SMR Planning Team
4. SMR Planning Status
5. SMR Information Exchange
 - a. Municipal Data Needs
 - b. Municipal Contacts
 - c. Information Request Protocols
6. SMR Basin Planning Committee
7. SMR Next Steps
8. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 2

Date: November 13, 2008

1. Introduction
2. SMR Planning Basin Overview
3. BPC Representatives
4. Customer Municipal Advisory Committee (CMAC)
5. Regional Stakeholder Group
6. Flow Monitoring & Mapping
7. Sewer System Modeling
8. Regional Wet Weather Plan and Municipal Feasibility Studies
9. Next Steps
10. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 3

Date: March 10, 2009

1. Introduction Introduction (Mike Lichte)
2. BPC Meeting No. 2 Review (ARCADIS)
 - Flow Monitoring
 - Hydrologic & Hydraulic Modeling
3. Customer Municipal Advisory Committee (Jim Protin)
4. Regional Stakeholder Group (Jim Protin)
5. ALCOSAN Updated Municipal Website (Jim Protin)
6. Financial Capability Assessment (Kaye Bealer, Tom Schevtchuk)
7. Existing Conditions Report (ARCADIS)
8. Regional Wet Weather Plan and Municipal Feasibility Studies (ARCADIS)
9. Overflow Control Alternatives Assessment
10. Next Steps (ARCADIS)
11. Questions / Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 4

Date: June 16, 2009

1. Introduction
2. BPC Meeting No. 3 Review
3. Program Update
4. Technology Screening
5. Site Screening
6. Control Alternatives and Development
7. Public Participation Plan
8. ACT 537 Funding
9. Coordinated Schedule – Basin Planning and Municipal Feasibility Studies
10. ALCOSAN Municipal Secure Website
11. Financial Information Update
12. Next Steps
13. Questions / Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 5

Date: September 23, 2009

1. Introduction/ Review
2. Technical Data Update
3. Financial Update
4. Municipal/ ALCOSAN Coordination Update
5. Technology Screening Review
6. Preliminary Sites Screening and Evaluation
7. Next Steps
8. Questions / Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 6

Date: February 24, 2010

1. BPC Meeting No. 5 Review
2. Municipal and Public Outreach
3. Public Meetings
4. 2010 Public Participation
5. Financial Data Collection
6. Screening of Controls & Sites Report
7. H & H Modeling
8. Feasibility Report and Present Worth Analysis
9. Next Steps
10. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 7

Date: June 30, 2010

1. BPC Meeting No. 6 Review
2. H & H Modeling
3. Preliminary Flow Estimates (PFEs)
4. Site/Basin Alternatives Control Strategy
5. Financial Capability Assessment and Affordability Analysis
6. Municipal and Public Outreach
7. Program Updates
8. Next Steps
9. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 8

Date: September 29, 2010

1. BPC Meeting No. 7 Review
2. Population Projections
3. Preliminary Flow Estimates (PFEs)
4. Basin Alternatives Development – SSO
5. Basin Alternatives Development – CSO
6. Preliminary Control Facility Site Plans
7. Regional Plan Integration
8. Program Updates
9. CMAC and RSG Updates
10. ALCOSAN Community Meetings
11. Next Steps
12. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 9

Date: February 23, 2011

1. BPC Meeting No. 8 Review
2. SMR Draft Feasibility Report
3. Municipal Feasibility Studies and Status
4. Program Updates – Municipal Outreach
5. Updates – FSWG, 3RWW, Other Updates
6. Next Steps
7. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 10

Date: May 25, 2011

1. BPC Meeting No. 9 Recap
2. ALCOSAN Feasibility Report Update
3. Municipal Alternatives and Final Flow Estimates
4. Municipal Outreach – CMAC, RSG
5. Regionalization
6. Current Program Schedule
7. Next Steps
8. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 11

Date: October 7, 2011

1. BPC Meeting No. 10 Recap
2. Basin Feasibility Studies
 - Report Update
 - Regional Integration
3. Basin Facilities Plan
 - Report Components
 - Schedule
4. Municipal Planning Information
5. Municipal Outreach
6. Regionalization Study
7. Next Steps
8. Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Saw Mill Run (SMR)

Meeting Purpose / Number: BPC Meeting No. 12

Date: May 10, 2012

1. BPC Meeting No. 11 Recap
2. Regional-Based and Basin-Based Alternatives
3. Integration of Municipal Alternatives
4. Updated Basin Alternative
5. Municipal Feasibility Studies Update
6. Draft Wet Weather Plan
7. Update on Program Outreach
8. Regionalization Study
9. Next Steps
10. Questions/Discussion

Turtle Creek/Thompson Run Basin



ALCOSAN Basin Facilities Planning Meeting Agenda

Turtle Creek /Thompson Run Planning Basin Committee Meeting No. 1

Date / Time: August 07, 2008 @ 9:30 AM

Location: Churchill Borough Municipal Building

Introduction

Program Overview

- Long Term Control Plan and 3RWW involvement
- ALCOSAN Consent Decree
- Municipal Consent Order Agreements
- Basin planning objectives
- Schedule

Program Status in Turtle Creek/Thompson Run Basin

- Flow Monitoring
- Sewer Mapping
- Analysis and modelling

Basin Planning Committee Overview

- Membership
- Involvement, Roles and Responsibilities
- Contacts

Information Exchange

- Discussion of available information
- Expectations for municipal information

Open Discussion of Next Steps and Questions



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose / Number: Basin Planning Committee

Meeting Number 2 - Thompson Run Sub Basin

Date / Time: October 28, 2008, 9:00 a.m.

Location: Monroeville Municipal Authority

Synopsis of Previous Basin Planning Committee Meeting

Flow Monitoring & Mapping:

- Status

Sewer System Modeling:

- Definition of Sewer System Modeling
- Proposed Basin Sewer Model Extents

Information Exchange:

- Status
- Information Needs
- ALCOSAN Nine Minimum Controls
 - ✓ Municipal Comments due 10/23/08

Existing Conditions Reports:

- Overview
- Status

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Schedule

Customer Municipal Advisory Committee (CMAC):

- Role & Responsibility

Regional Stakeholder Committee (RSC):

- Role & Responsibility
- Volunteers

Next Steps:

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose / Number: Basin Planning Committee Meeting Number 2 - Upper Turtle Creek Sub Basin

Date / Time: October 28, 2008, 10:30 a.m.

Location: Monroeville Municipal Authority

Synopsis of Previous Basin Planning Committee Meeting

Flow Monitoring & Mapping:

- Status

Sewer System Modeling:

- Definition of Sewer System Modeling
- Proposed Basin Sewer Model Extents

Information Exchange:

- Status
- Information Needs
- ALCOSAN Nine Minimum Controls
 - ✓ Municipal Comments due 10/23/08

Existing Conditions Reports:

- Overview
- Status

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Schedule

Customer Municipal Advisory Committee (CMAC):

- Role & Responsibility

Regional Stakeholder Committee (RSC):

- Role & Responsibility
- Volunteers

Next Steps:

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose / Number: Basin Planning Committee

Meeting Number 2 - Monroeville Sub Basin

Date / Time: October 28, 2008, 12: 00 Noon

Location: Monroeville Municipal Authority

Synopsis of Previous Basin Planning Committee Meeting

Flow Monitoring & Mapping:

- Status

Sewer System Modeling:

- Definition of Sewer System Modeling
- Proposed Basin Sewer Model Extents

Information Exchange:

- Status
- Information Needs
- ALCOSAN Nine Minimum Controls
 - ✓ Municipal Comments due 10/23/08

Existing Conditions Reports:

- Overview
- Status

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Schedule

Customer Municipal Advisory Committee (CMAC):

- Role & Responsibility

Regional Stakeholder Committee (RSC):

- Role & Responsibility
- Volunteers

Next Steps:

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose / Number: Basin Planning Committee Meeting Number 2 - Middle Turtle Creek Sub Basin

Date / Time: October 31, 2008, 9:30 a.m.

Location: Churchill Municipal Building

Synopsis of Previous Basin Planning Committee Meeting

Flow Monitoring & Mapping:

- Status

Sewer System Modeling:

- Definition of Sewer System Modeling
- Proposed Basin Sewer Model Extents

Information Exchange:

- Status
- Information Needs
- ALCOSAN Nine Minimum Controls
 - ✓ Municipal Comments due 10/23/08

Existing Conditions Reports:

- Overview
- Status

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Schedule

Customer Municipal Advisory Committee (CMAC):

- Role & Responsibility

Regional Stakeholder Committee (RSC):

- Role & Responsibility
- Volunteers

Next Steps:

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose / Number: Basin Planning Committee Meeting Number 2 - Lower Turtle Creek Sub Basin

Date / Time: October 31, 2008, 11:00 a.m.

Location: Churchill Municipal Building

Synopsis of Previous Basin Planning Committee Meeting

Flow Monitoring & Mapping:

- Status

Sewer System Modeling:

- Definition of Sewer System Modeling
- Proposed Basin Sewer Model Extents

Information Exchange:

- Status
- Information Needs
- ALCOSAN Nine Minimum Controls
 - ✓ Municipal Comments due 10/23/08

Existing Conditions Reports:

- Overview
- Status

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Schedule

Customer Municipal Advisory Committee (CMAC):

- Role & Responsibility

Regional Stakeholder Committee (RSC):

- Role & Responsibility
- Volunteers

Next Steps:

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose / Number: Basin Planning Committee Meeting Number 3

Date / Time: February 23, 2009 / 10 am

Location: Municipality of Monroeville

Status Update ALCOSAN/3RWW:

- Flow Monitoring
- Model Extents
- Mapping
- CMAC
- Regional Stakeholder Group

Information Exchange

- ALCOSAN Updated Municipal Web-Site
- Data Collection Next Steps

Program Manager Presentation: Financial Data Collection

Existing Conditions Reports:

- Status Municipal Review and Comments

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Status for each municipality
- Schedule

Next Steps:

- BPC #4 Workshop Format

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose/Number: Basin Planning Committee/ Meeting #4

Date / Time: June 2, 2009

Location: North Versailles Library Community Room

0. Welcome and Introductions

1. Program Update

- a. Flow Monitoring
- b. Modelling
- c. Design storms and typical year
- d. CMAC/RSG

2. Technology Screening

- a. Screening Process
- b. Technologies Under Consideration
- c. Benefit and Impact
- d. Municipal Input

3. Site Screening

- a. Screening Process
- b. Siting Issues (Footprint/Capacity)

4. Control Alternatives and Development

- a. Early Action Projects/ Multi-Municipal Projects
- b. Basin "Pilot" Projects
- c. Source Controls (I/I Reduction)-Rehab Critical Sewers

5. Act 537 Funding

6. Coordinated Schedule-Basin Planning and Municipal Feasibility Studies

7. ALCOSAN Municipal Secure Website

8. Financial Information Update

9. Wrap Up / Next Meeting



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Turtle Creek/Thompson Run
Basin Planning Committee Meeting No. 5
September 22, 2009 / 9:00 AM
Location: Turtle Creek Public Meeting Room,
125 Monroeville Ave., Turtle Creek, PA 15145**

Introduction / Review

Technical Data Update

- Flow Monitoring
- Modelling
- Design Storms and Typical Year Rainfall
- Reminder about ALCOSAN Municipal Secure Website

Financial Update

- Alternative Costing Tool (ACT)
- Early Action Projects
- Funding
- Municipal Financial Data

Municipal / ALCOSAN Coordination

- Customer Municipal Advisory Committee (CMAC)
- Regional Stakeholder Group (RSG)
- Basin Meetings
- Feasibility Study Working Group (FSWG)

TT Basin Sites and Technologies Screening and Evaluation (SCSR) Overview

- Review of Control Technologies
- Available Sites and Alternative Routes
- Siting Selection Process

Wrap-Up / Next Steps

- Upcoming Meetings
 - CMAC
 - RSG
 - Public Basin Meetings
 - Setting Next BPC Meeting – December or January
- Topics for Discussion

Questions / Comments



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose/Number: Basin Planning Committee/ Meeting #6

Date / Time: February 23, 2010 9:00 am

Location: Monroeville VFD No. 4, Gateway Hall

- 1. Welcome and Introduction**
- 2. Program Update**
- 3. H & H Modelling**
 - a. Release to Municipalities
 - b. Education/Documentation
 - c. Model Report
 - d. Model Application
- 4. Preliminary Flow Estimates**
- 5. Screening of Controls & Sites**
- 6. Evaluation of Alternatives**
 - a. Alternatives Scoring Criteria Exercise
 - b. Control Development Strategy
 - c. Modelling Alternatives
 - d. Cost of Performance Analysis
 - e. Alternatives Development & Evaluation
- 7. Municipal Outreach**
- 8. Public Outreach**
- 9. Public Meetings**
- 10. Financial Data Collection**
- 11. Next Steps**
 - a. Upcoming Schedule
- 12. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #7

Date / Time: June 29, 2010 1:30 pm

Location: Monroeville VFD No. 4, Gateway Hall

1. Welcome and Introduction

2. Review of BPC No. 6

3. Modelling and PFEs

- a. H&H Model and Report Distribution
- b. BP/Municipal Model Coordination & Assistance
- c. Future Conditions / Municipal PFEs Received /Outstanding
- d. PFE Status and Resolution of PFE / Basin Model Differences

4. Site / Basin Alternatives Development Progress and Evaluation Strategies

5. Financial Data Collection Status and Affordability Analysis

6. Program Updates

- a. ACT Update
- b. Municipal Web Site Update
- c. Outreach (Municipal, Public, CMAC / RSG)
- d. Basin Planner Activities

7. Next Steps

- a. Upcoming Schedule

8. Questions / Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #8

Date / Time: October 12, 2010 1:30 pm

Location: Monroeville VFD No. 4, Gateway Hall

- 1. BPC # 7 Recap and Project Status**
- 2. Preliminary Flow Estimates**
 - a. Future Conditions / Municipal PFEs Received/Outstanding
 - b. PFE Status and Resolution of PFE / Basin Model Differences
- 3. Feasibility Report and Present Worth Analysis**
 - a. Basin Alternatives Development Update
 - b. Integration of Alternatives into Regional Plan
- 4. Municipal Feasibility Study Work**
 - a. Status/Issues / Informational needs
- 5. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
 - b. ACT Update
 - c. Municipal Web Site Update
 - d. Basin Planner Activities
- 6. Next Steps**
 - a. Upcoming Schedule
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek / Thompson Run

Meeting Purpose/Number : Basin Planning Committee/ Meeting #9

Date / Time: February 22, 2010 1:30 pm

Location: Monroeville VFD No. 4, Gateway Hall

- 1. Review BPC # 8**
- 2. Basin Feasibility Report**
 - a. Summary of Preferred Basin Alternatives
 - b. Details of Preferred Sites Alternatives
- 3. Municipal Feasibility Studies**
 - a. TT Complex Sewersheds
 - b. Remaining TT Sewersheds
 - c. Examples of CSO and SSO Control Alternatives and Estimated Cost tables
- 4. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
 - b. Regionalization Options
- 5. Summary of Meetings**
 - a. Meetings with Municipal Managers and Regulators
- 6. Next Steps**
 - a. Upcoming Schedule
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Turtle Creek Basin

Meeting Purpose/Number : Basin Planning Committee, Meeting #10

Date / Time: May 24, 2011 – 1:30 pm

Location: Gateway Hall, Monroeville

- 1. Review BPC # 9**
- 2. Basin Facilities Plan**
 - a. Update on Alternatives
 - b. System-wide alternative development
 - c. Planning schedule
- 3. Municipal Planning**
 - a. Integration of municipal alternatives
 - b. Status, issues and informational needs
 - c. Planning information
 - d. Municipal alternatives
- 4. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, Community, etc.)
- 5. Regionalization**
- 6. Next Steps**
 - a. Upcoming activities and schedule
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning BPC #11 Meeting Agenda

Basin: Turtle Creek Basin

Meeting Purpose/Number : Basin Planning Committee

Date / Time: October 3, 2011 – 1:30 pm

Location: Gateway Hall, Monroeville

- 1. BPC #10 Recap**
- 2. Basin Feasibility Studies**
 - a. Feasibility Study Update
 - b. Basin / Regional Alternatives
 - c. Integration of Municipal Alternatives
 - d. Facilities Plan Development
 - e. Schedule Update
- 3. Municipal Planning**
 - a. Planning Information Update
 - (i) Reconciliation of Planning Information
 - (ii) Outstanding Municipal Information
 - b. Municipal Feasibility Studies
 - (i) Feasibility Study Development
 - (ii) Alternatives (Storage, Conveyance, Source Reduction, etc.) and Costs
- 4. Program Updates**
 - a. Outreach
 - (i) Municipal Coordination
 - (ii) CMAC/RSG
 - (iii) Fall Town Hall Meetings
- 5. Regionalization Study**
- 6. Next Steps**
 - a. Upcoming Activities and Schedule
 - b. Future BPC Meetings
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning BPC Meeting No. 12 Agenda

Basin: Turtle Creek Basin

Meeting Purpose/Number : Basin Planning Committee

Date / Time: May 14, 2012 – 1:30 pm

Location: Gateway Hall, Monroeville

- 1. BPC #11 Recap**
- 2. Basin Facilities Plan**
 - a. Updated Basin Alternative
 - b. Integration of Municipal Alternatives
 - c. Additional Municipal Information/Updates
- 3. Draft Wet Weather Plan**
 - a. Regional Plan
 - b. Municipal Information
- 4. Update on Program Outreach**
 - a. BQAR
 - b. CMAC / RSG
 - c. Extended Outreach
 - d. ALCOSAN Open House (Sept 15)
 - e. Future Communications – BPC meetings, BQARs, newsletters, etc.
- 5. Regionalization Study**
- 6. Next Steps**
 - a. Draft WWP Submittal
 - b. Public / Municipal Review and Comment
- 7. Questions and Discussion**

Upper Allegheny Basin



ALCOSAN Basin Facilities Planning Meeting Agenda

**Upper Allegheny Basin Planning Committee Meeting
Date / Time: June 25, 2008 at 9:30 AM
Location: Shaler Township Municipal Building**

Summary of Basin Planner Scope and Problem Solving Approach – Critical Path Items for 2008 and 2009

Summary of Work Completed to Date:

- **Mapping**
- **Data Review**
- **Workshops attended**

Mapping:

- **Presentation of current mapping and proposed basin model extent**
- **Presentation of data gap analysis**
- **Matt Graham Q&A on mapping (In response to community concerns brought up at last meeting)**

Flow Monitoring:

- **Short term meter information**
- **Municipality design flows**
 1. **Are they established?**
 2. **How were they established?**

Modeling:

- **What is hydraulic/hydrologic modelling**
- **Does your municipality need to model?**
- **Who is doing your system modelling and what program is being used**
- **Coordination of models**



ALCOSAN Basin Facilities Planning Meeting Agenda

**Upper Allegheny Basin Planning Committee Meeting
Date / Time: June 25, 2008 at 9:30 AM
Location: Shaler Township Municipal Building**

Information Exchange:

- **What Malcolm Pirnie needs from Municipalities**
- **What does your municipality need from Malcolm Pirnie**

Stakeholders:

- **Stakeholders for the UA Basin identified thus far**
- **Others per Municipality identification**
- **Extent and timing of their Involvement in Basin Planning**

Initial Discussion – Considerations for Siting of Potential Storage or Treatment Facilities in the UA Basins:

- **Open discussion on site considerations**
- **Ideas/thoughts**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Allegheny Basin

Meeting Purpose / Number: Basin Planning Committee Meeting Number 2

Date / Time: November 6, 2008 at 9:30 AM

Location: Shaler Township Municipal Building

Customer Municipal Advisory Committee (CMAC):

- Role & Responsibility
- General Make-Up
- Volunteers

Regional Stakeholder Committee (RSC):

- Role & Responsibility
- Volunteers

Flow Monitoring:

- Status
- What Next

Modelling:

- What is hydraulic/hydrologic modelling
- Proposed Basin Model Extents

Information Exchange:

- Missing and Additional Data Required
- Next Steps for Data Collection
- ALCOSAN NMC
 - ✓ Municipal Comments were due 10/23/08

Existing Conditions Reports:

- Status
- Alcosan will be providing to municipalities in draft form for comment

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Municipality design flows



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Allegheny Basin

Meeting Purpose / Number: Basin Planning Committee Meeting Number 2

Date / Time: November 6, 2008 at 9:30 AM

Location: Shaler Township Municipal Building

- Schedule
 1. By February 1 2010, all flow monitoring data not collected by ALCOSAN
 2. By August 1, 2010, all hydraulic capacity evaluations and system hydraulic characterizations
 3. By August 31, 2009, all Sanitary Sewer Overflow response plans
 4. By August 1, 2010, all LTCPs (feasibility studies) developed by the Customer

Next Steps:

- Activity over the next 3 months

Questions/Discussion:

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: Upper Allegheny / Pine Creek
Meeting Purpose / Number: Basin Planning Committee Meeting Number 3
Date / Time: February 26, 2009 at 9:30 am
Location: Indiana Township – Town Hall
3710 Saxonburg Boulevard

Status Update ALCOSAN/3RWW:

- Flow Monitoring
- Mapping
- CMAC
- Regional Stakeholder Group

Information Exchange:

- ALCOSAN Updated Municipal Web-Site

Program Manager Presentation: Financial Data Collection

Existing Conditions Reports:

- Status Municipal Review and Comments

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies:

- Understanding Requirements
- Status for each municipality
- Schedule

Next Steps:

- BPC #4 Workshop Format

Questions/Discussion:



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Allegheny / Pine Creek Basin

Meeting Purpose/Number: Basin Planning Committee/ Meeting #4

Date / Time: Thursday, June 18, 2009 / 9:30 am

Location: Penn Hills Municipal Building 12245 Frankstown Road

1. Program Update

- a. Flow Monitoring
- b. Modeling
 - Design storms and typical year
- c. CMAC/RSG

2. Technology Screening

- a. Screening Process
- b. Technologies Under Consideration
- c. Benefit and Impact
- d. Municipal Input

3. Site Screening

- a. Screening Process
- b. Siting Issues (Footprint/Capacity)

4. Control Alternatives and Development

- a. Early Action Projects/ Multi-Municipal Projects
 - Source Controls (I/I Reduction)-Rehab Critical Sewers
- b. Basin "Pilot" Projects
- c. Source Controls (I/I Reduction)-Rehab Critical Sewers

5. Act 537 Funding

6. Coordinated Schedule-Basin Planning and Municipal Feasibility Studies

7. ALCOSAN Municipal Secure Website

8. Financial Information Update

ALCOSAN Basin Facilities Planning Meeting Agenda



**Upper Allegheny / Pine Creek Basin
Basin Planning Committee Meeting No. 5
Friday, October 9, 2009 / 9:30 AM to 11:30 AM
Location: Shaler Township Municipal Building
300 Wetzel Road
Glenshaw, PA 15116**

Introduction and Review

Technical Data Update

- Flow Monitoring
- Design Storms / Typical Year Rainfall
- Modeling / H&H Modeling Report
- ALCOSAN Municipal Website

Financial Update

- Early Action Projects
- Funding Update
- Alternative Costing Tool

Sites and Technologies Screening and Evaluation

- Control Technology Screening
- Preliminary Alternative Sites and Routes
- Site Selection Process and Results
- Combined Analysis

Break / Specific Discussion on Individual Sites

Municipal/ALCOSAN Coordination

- CMAC and RSG
- FSWG Meetings
- ALCOSAN Wet Weather Plan and Municipal Feasibility Studies

Public Participation Schedule and Update

Wrap-Up / Next Steps

- Next BPC Meeting – January 2010
- Agenda Topics

ALCOSAN Basin Facilities Planning Meeting Agenda



UA Basin Planning Committee/ Meeting #6

Date / Time: March 3, 2010 9:30 am

Location: Sharpsburg Borough Building
1611 Main Street
Pittsburgh, PA 15215

1. Program Update
2. H & H Modelling
 - a. Release to Municipalities
 - b. Education/Documentation
 - c. Model Report
 - d. Model Application
3. Preliminary Flow Estimates
4. Screening of Controls & Sites Report
5. Feasibility Report and Present Worth Analysis Guidance
 - a. Control Development Strategy
 - b. Modelling Alternatives
 - c. Cost of Performance Analysis
 - d. Alternatives Development & Evaluation
6. Municipal Outreach
7. Public Outreach
8. Public Meetings
9. Financial Data Collection
10. Next Steps
 - a. Upcoming Schedule
11. Questions/Discussion

ALCOSAN Basin Facilities Planning Meeting Agenda



Meeting Purpose/Number: Basin Planning Committee/ Meeting #7
Date / Time: June 23, 2010 9:30 am
Location: Sharpsburg Borough Building
1611 Main Street
Pittsburgh, PA 15215

- 1. BPC # 6 Recap (BP)**
- 2. Modelling and PFEs (BP)**
 - a. H&H Model and Report Distribution
 - b. BP/Municipal Model Coordination & Assistance
 - c. Future Conditions/ Municipal PFEs Received/Outstanding
 - d. PFE Status and Resolution of PFE/ Basin Model Differences.
- 3. Site/Basin Alternatives Development Progress and Evaluation Strategies (BP)**
- 4. Financial Data Collection Status and Affordability Analysis (PM)**
- 5. Program Updates**
 - a. Basin Planner Activities (BP)
 - b. Outreach (Municipal, Public, CMAC/RSG) (AECOM)
 - c. ACT Update (ALCOSAN)
 - d. Municipal Web Site Update (ALCOSAN)
- 6. Next Steps**
 - a. Upcoming Schedule (BP)
- 7. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Allegheny / Pine Creek Basin
Meeting: Basin Planning Committee/ Meeting #8
Date / Time: October 7th, 2010
Location: Etna Borough Building

- 1. Program Update**
- 2. Preliminary Flow Estimates (PFE)**
- 3. Site/Basin Alternatives Development Progress and Evaluation**
- 4. Integration of Alternatives into Regional Plan**
- 5. Municipal Feasibility Studies**
- 6. Next Steps**
- 7. Questions / Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Allegheny

Meeting Purpose/Number : Basin Planning Committee/ Meeting #9

Date / Time: February 22, 2011 9:30 am

Location: Shaler Township Municipal Building

- 1. BPC # 8 Recap**
- 2. Program Updates**
 - a. Outreach (Municipal, CMAC/RSG, ALCOSAN Community Meetings)
- 3. Basin Feasibility Report**
 - a. Basin Alternatives
 - b. Integration of Alternatives into Regional Plan
- 4. Municipal Feasibility Studies**
 - a. PFE Reconciliation Status
 - b. Source Reduction Sensitivity
 - c. Status / Issues / Informational needs
 - d. Alternatives under Consideration
 - e. Final Flow Estimates (FFE) and Alternatives Sizing
 - f. Potential for Green Solutions (if applicable)
 - g. Schedule
- 5. Next Steps**
 - a. Upcoming Schedule
- 6. Questions/Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Allegheny / Pine Creek Basin
Meeting: Basin Planning Committee/ Meeting #10
Date / Time: May 24th, 2011
Location: Shaler Township Municipal Building

- 1. Program Update**
- 2. Status Update**
- 3. ALCOSAN Feasibility Report Update**
- 4. Municipal Alternatives and Final Flow Estimates**
- 5. Municipal Outreach – CMAC, RSG**
- 6. Program Schedule**
- 7. Next Steps**
- 8. Questions / Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Allegheny / Pine Creek Basin
Meeting: Basin Planning Committee/ Meeting #11
Date / Time: October 11th, 2011
Location: Shaler Township Municipal Building

1. **BPC #10 Recap**
2. **Basin Feasibility Studies**
 - **Feasibility Report Update**
 - **Regional Integration**
3. **Basin Facilities Plan**
 - **Status Update since Feasibility Report Submittal**
 - **BFP Report Components**
 - **Schedule**
4. **Municipal Planning Information**
5. **Outreach**
 - **Municipal Coordination, CMAC / RSG, Town Hall Meetings**
6. **Regionalization Study**
7. **Next Steps**
8. **Questions / Discussion**



ALCOSAN Basin Facilities Planning BPC Meeting No. 12 Agenda

Basin: Upper Allegheny

Meeting Purpose: Basin Planning Committee Meeting #12

Date / Time: May 8, 2012, 1:30 pm

Location: Shaler Township Municipal Building

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- 1. BPC #11 Recap**
 - 2. Basin Facilities Plan**
 - a. Updated Basin Alternative(s)
 - b. Integration of Municipal Alternatives
 - c. Regional / System-Wide Alternatives
 - d. Additional Municipal Info / Updates
 - 3. Draft Wet Weather Plan**
 - a. Regional Plan
 - b. Municipal Information
 - 4. Update on Program Outreach**
 - a. BQAR
 - b. CMAC / RSG
 - c. Extended Outreach
 - d. ALCOSAN Open House (Sept 15)
 - e. Future Communications – BPC meetings, BQARs, newsletters, etc.
 - 5. Regionalization Study**
 - 6. Next Steps**
 - a. Draft WWP Submittal
 - b. Public / Municipal Review and Comment
 - 7. Questions and Discussion**

Upper Monongahela Basin

**ALCOSAN BASIN FACILITIES PLANNING
Meeting Agenda**



**Upper Monongahela Basin Planning Committee Meeting
Number 1**

Date / Time: July 30, 2008 at 9:30 a.m.

**Location: Munhall Borough Building,
1900 West Street, Munhall, PA 15120**

1. Introduction:

- ALCOSAN Planning Basins Map
- Map of UMPB
- ALCOSAN Wet Weather Planning Team Organization Chart
- ALCOSAN Wet Weather Program Public Participation Stakeholder Involvement Organization Framework
- UMPB Team

2. Overview:

- Upper Monongahela Facilities Planning
- Shared Compliance Responsibilities
- ALCOSAN's Wet Weather Planning Process
- Upper Monongahela Facilities Planning Tasks

3. Update:

- Flow Monitoring Flow Meters in the Upper Monongahela Basin
- Mapping Update (Sample)

4. Municipal Coordination and Information Exchange:

- Agenda
- Introduction of the UMPB Municipal Coordination/Information Exchange Process
 - Checklist A: Municipal ACO/COA Assessment and Planning Information
 - Checklist B: Information ALCOSAN is required to obtain per Paragraph 70 of ALCOSAN Consent Decree
 - Checklist C: Information ALCOSAN is required to obtain per Paragraph 75 of ALCOSAN Consent Decree
 - Checklist D: Supplemental Data for Facilities Planning
 - Mapping Questionnaire (see map and questionnaire)

5. Next Steps

6. Questions and Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Monongahela Basin

**Meeting Purpose / Number: Basin Planning Committee
Meeting Number 2**

Date / Time: November 7, 2008, 10:00 a.m.

Location: Brentwood Library

1. Introduction and Overview of Meeting Agenda
 - a. Introduction of Basin Planning Team Members
 - b. Meeting Minutes from Basin Planning Committee Meeting No. 1
2. Public Participation and Stakeholder Involvement
3. Flow Monitoring
4. Hydrologic and Hydraulic (H&H) Modeling
5. Wet Weather Plan Development
6. Next Steps
7. Questions and Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Monongahela

Meeting Purpose / Number: Basin Planning Committee Meeting Number 3

Date / Time: February 27, 2009 / 10 am

Location: Brentwood Library

Status Update ALCOSAN/3RWW

- Flow Monitoring
- Model Extents
- Mapping
- CMAC
- Regional Stakeholder Group

Information Exchange

- ALCOSAN Updated Municipal Web Site
- Data Collection Next Steps

Program Manager Presentation: Financial Data Collection

Existing Conditions Report

- Status Municipal Review and Comments

Regional Wet Weather Overflow Control Plan & Municipal Feasibility Studies

- Understanding Requirements
- Status for each municipality
- Costing Tool Application
- Schedule

Next Steps

- BPC #4 Workshop Format

Questions/Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Monongahela

Meeting Purpose/Number: Basin Planning Committee Meeting #4

Date / Time: June 9, 2009

Location: Brentwood Library

1. Welcome and Introductions

2. Program Update

- a. Flow Monitoring
- b. Modelling
- c. CMAC and RSG Meetings
- d. Quarterly Activity Report

3. Screening of Controls and Sites

- a. Screening Process
- b. Technologies Under Consideration
- c. Benefits and Impacts
- d. Municipal Input
- e. Siting Issues (Footprint/Capacity)

4. Control Alternatives and Development

- a. Potential Early Action Projects
- b. Basin "Pilot" Projects
- c. Source Controls and Rehabilitation of Critical Sewers

5. Act 537 Funding

6. Coordinated Schedule - Basin Planning and Municipal Feasibility Studies

7. ALCOSAN's Municipal Intranet Website

8. Financial Information Update

9. Wrap-up and Next Meeting



ALCOSAN Basin Facilities Planning Meeting Agenda

**Upper Monongahela Basin
Basin Planning Committee Meeting No. 5
October 2, 2009 / 9:00 AM
Brentwood Library Community Room**

- 1. Welcome and Introductions**
- 2. Coordinated/Shared Planning**
 - a. Flow Monitoring / Modeling
 - b. Alternatives Costing Tool
 - c. Financial Update
 - d. Schedule Coordination
 - e. Potential Early Action Projects
- 3. Municipal Coordination and Public Participation Update**
 - a. CMAC Update
 - b. RSG Update
 - c. Quarterly Activity Report #2
 - d. Basin Meetings
 - e. Feasibility Study Working Group
 - f. Public Meeting #1
- 4. Sites and Technologies Screening and Evaluation**
 - a. Review of Control Technologies
 - b. Screening of Technologies and Potential Sites
- 5. Next Steps**
 - a. Finalize Controls & Sites Screening
 - b. Alternatives Evaluation
 - c. Next Meetings
 - d. Agenda Topics
- 6. Questions and Discussions**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Monongahela

Meeting Purpose/Number: Basin Planning Committee/ Meeting #6

Date / Time: February 26, 2010 / 9:30 a.m.

Location: Brentwood Library Community Room

1. Program Update

- a. Basin and Regional Tasks
- b. Municipal Outreach
- c. Public Outreach
- d. Financial Data Update

2. Hydrologic and Hydraulic (H&H) Modelling

- a. Release to Municipalities
- b. Model Report
- c. Model Application

3. Preliminary Flow Estimates

4. Feasibility and Present Worth Analysis - Stakeholder Input

- a. Control Development Strategy
- b. Modelling Alternatives
- c. Cost and Performance Analysis
- d. Alternatives Development & Evaluation

5. Screening of Controls & Sites

- a. Evaluation Approach and Examples
- b. Sites and Routes Meetings

6. Next Steps

- a. Upcoming Schedule

7. Questions, Discussion, and Screening Category Ranking



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Monongahela

Meeting Purpose/Number: Basin Planning Committee/Meeting #7

Date / Time: June 25, 2010 9:30 a.m.

Location: Brentwood Library Community Room

1. BPC # 6 Recap

2. Modelling and Preliminary Flow Estimates (PFEs)

- a. H&H Model and Report Distribution and Coordination
- b. Future Conditions
- c. PFE Status and Coordination

3. Basin Planning Update

- a. Basin Planner Activities
- b. Site and Basin Alternatives Development - Potential Solutions
- c. Site and Basin Alternatives - Evaluation Strategies
- d. Green Storm Water Infrastructure (GSWI) and Inflow Reduction Sensitivity Analysis

4. Program Update

- a. Municipal and Stakeholder Outreach
- b. Alternatives Costing Tool Update
- c. Municipal Website

5. Financial Capability Assessment

6. Next Steps

- a. Upcoming Schedule

7. Questions and Discussion

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: Upper Monongahela

Meeting Purpose/Number: Basin Planning Committee, Meeting # 8

Date / Time: October 8, 2010, 10:00 AM

Location: Brentwood Library Community Room

- 1. BPC Meeting # 7 Recap**
- 2. Modelling and Preliminary Flow Estimates (PFEs)**
 - a. Municipalities' PFE Status and Resolution
 - b. Existing and Future Conditions
- 3. Feasibility Report and Present Worth Analysis**
 - a. Alternatives Development Update
 - b. Integration of Alternatives into Regional Plan
- 4. ACT and Municipal Website Update**
- 5. Municipal Feasibility Study Work**
 - a. Status, Issues, and Information Needs
- 6. Outreach**
 - a. Municipal, CMAC, RSG, ALCOSAN Community Meetings
- 7. Next Steps**
 - a. Upcoming Schedule
- 8. Questions and Discussion**



ALCOSAN Basin Facilities Planning Meeting Agenda

Basin: Upper Monongahela

Meeting Purpose/Number: Basin Planning Committee, Meeting # 9

Date / Time: February 18, 2011, 9:30 AM

Location: Council Chambers Rm. at W. Homestead Borough Building

1. BPC Meeting # 8 Recap

2. Program Update

- a. UMPB Feasibility Report
- b. Basin Alternatives
- c. Integration of Alternatives into Regional Plan
- d. Coordination with Municipal Feasibility Studies
- e. Regionalization Options

3. Municipal and Stakeholder Outreach

- a. CMAC and RSG
- b. ALCOSAN Community Meetings
- c. UMPB Specific Meetings

4. Next Steps

- a. Upcoming Schedule

5. Questions and Discussion



ALCOSAN Basin Facilities Planning Meeting Agenda

**Basin: Upper Monongahela
Basin Planning Committee (BPC), Meeting #10
Date / Time: May 20, 2011, 9:30 AM
Location: West Homestead Borough Building**

- 1. BPC # 9 Recap**
- 2. Basin Facilities Plan**
 - a. Update on Alternatives
 - b. Integration of Municipal Alternatives
 - c. Municipal Alternatives and Planning Status, Issues, and Informational Needs
- 3. System-wide Alternative Development**
- 4. Planning Schedule**
- 5. Regionalization**
- 6. Municipal and Stakeholder Outreach**
- 7. Next Steps**
 - a. Upcoming activities and schedule
- 8. Questions and Discussion**

ALCOSAN Basin Facilities Planning Meeting Agenda



Basin: Upper Monongahela
Basin Planning Committee (BPC), Meeting #11
Date: October 13, 2011 Time: 9:30 AM
Location: West Homestead Borough Building

- 1. BPC Meeting #10 Recap**
- 2. Facility Plan Development**
 - a. UMPB Feasibility Study Update
 - (i) Basin-Based and Regional-Based Alternatives
 - (ii) System-Wide Alternatives
 - b. Integration of Municipal Alternatives
 - c. Basin Facility Plan Schedule Update
- 3. Municipal Planning**
 - a. Planning Coordination
 - b. Reconciliation of Planning Information & Outstanding Municipal Information
 - c. Municipal Feasibility Studies for Complex Sewersheds
- 4. Program Updates**
 - a. Outreach
 - (i) Municipal Coordination
 - (ii) CMAC and RSG
 - (iii) Fall Town Hall Meetings
- 5. Regionalization Study**
- 6. Next Steps**
 - a. Upcoming Activities and Schedule
- 7. Questions and Discussion**



ALCOSAN Basin Facilities Planning Upper Monongahela Planning Basin BPC Meeting No. 12 Agenda May 11, 2012

- 1. BPC #11 Recap**
- 2. Basin Facilities Plan**
 - a. Updated Basin Alternatives
 - b. Regional / System-Wide Alternatives
 - c. Integration of Municipal Alternatives
 - d. Additional Municipal Information and Updates
- 3. Draft Wet Weather Plan**
 - a. Regional Plan
 - b. Municipal Information
- 4. Update on Program Outreach**
 - a. BQAR
 - b. CMAC / RSG
 - c. Extended Outreach
 - d. ALCOSAN Open House (September 15)
 - e. Future Communications – BPC meetings, BQARs, newsletters, etc.
- 5. Regionalization Study**
- 6. Next Steps**
 - a. Draft Wet Weather Plan Submittal
 - b. Public and Municipal Review and Comment
- 7. Questions and Discussion**