

State Water Quality Management Plan

- what does the 208 Plan mean for my community?

Public Information Session
October 30, 2006

Focus on Big Darby Creek Watershed

Dan Dudley, Ohio EPA
Division of Surface Water
(614) 644-2876 / dan.dudley@epa.state.oh.us

Focus for today's meeting

- State 208 Plan certified on 09/01/2006
 - Big Darby Creek watershed
 - Special storm water permit
- Documents available
 - Web page, sign up sheet, handouts (4)

Other meetings for:
Delaware County – 11/06/2006
Eastern Franklin County, Fairfield County & Licking County – 11/20/2006

October 30, 2006 Public Information Session 2

Outline

- What, why, & who of planning?
- Summary of Plan content, how it works
- How the Plan impacts you –
- Questions

Shared bond – professionals with concern for environment

Key points for POTW operators

October 30, 2006 Public Information Session 3

Part 1

What, why and who
- of the State WQM Plan

Wastewater & Water Quality Planning

State - Federal coordination

State WQM Plan

Cooperative solution & water quality issues

Regional 208 Plans

Basic infrastructure

Local Facility Planning 201 Plan

October 30, 2006 Public Information Session 5

Clean Water Act Planning

- 303, State wide "integration"
 - State Water Quality Management Plan
 - Nine elements working for clean water
- 208, areawide management plans
 - Focus on urban area water quality
 - Includes storm water
 - Seven elements overlap 303
- 201, Local Wastewater Facility Plans
 - Old construction grants program

R
O
L
E

U
P

October 30, 2006 Public Information Session 6

Section 208 of CWA

- Pre-requisite in 1970s & 80s to secure construction grant funds
 - Encouraged regional solutions, sewers
- No longer a focus of U.S. EPA
- So why be concerned today?
 - Provides direction for meeting water quality challenges
 - Consistency with permit actions

October 30, 2006 Public Information Session 7

Water Quality Results Should Steer Efforts

October 30, 2006 Public Information Session 8

What is a Rx?

- “a remedy suggested for any disorder or problem”
- Problem is poor water quality, or a water resource at risk
- Remedy should be specific to the local water quality problem and the local community

October 30, 2006 Public Information Session 9

Wastewater Treatment Rx

- The wastewater management option(s) agreed upon by local communities and the agency responsible for the 208 plan
- May define and include:
 - Who sewers what areas, the facility treating the wastewater
 - What areas remain on septic tanks (HSTS)
 - Other measures to protect water quality

FPA

October 30, 2006 Public Information Session 10

Facility Planning Area

- See guidelines
- May conclude some areas remain unsewered
- Local cooperation

October 30, 2006 Public Information Session 11

208 Consistency Check

October 30, 2006 Public Information Session 12

Who authors the 208 Plan?

- Regional Councils of Governments and the State of Ohio write the 208 plans
- Also referred to as designated vs non-designated areas

Government Agencies Responsible for 208 Plans

What's wrong with this picture?

October 30, 2006 Public Information Session 13

State of Ohio 208 Plan

- Updated in 2006 for 42 of 64 counties -
- 22 counties in southeast Ohio (planned for 2007)

October 30, 2006 Public Information Session 14

Priority Setting

Population growth
Resource quality

Franklin County
11 surrounding counties
Remaining rural counties

October 30, 2006 Public Information Session 15

High Quality Water Resources in Central Ohio

Mad River
Upper Little Miami and Great Miami
Big Darby and Clear Creek
Olentangy
Kokosing
N. Fork Licking Raccoon Creek

October 30, 2006 Public Information Session 16

Desired Outcomes

Fine tune specific Rxs
Develop specific Rxs
Simplify

Know where you stand in this matrix

October 30, 2006 Public Information Session 17

Part 2

How the Plan content works

Assessment of Regional Sewage Collection & Treatment Needs

- Initial screening by Ohio EPA
 - Is sewage an issue with water quality?
 - Capacity or design issues at POTW?
 - Projected population growth
 - Special high value water resource

Correct and up to date NPDES permit applications.

October 30, 2006 Public Information Session 19

Appendix 9-1

- Identifies management agencies (MA) for wastewater planning, collection & treatment
 - Publicly Owned Treatment Works
 - Are you listed as MA?
 - Do you understand your Rxs?

October 30, 2006 Public Information Session 20

Appendix 9-1

- Provides the local prescriptions for dealing with sewage treatment options
- Indexed by County
- Some Rxs are generic
- Others are specific

October 30, 2006 Public Information Session 21

Desired Outcomes

- Fine tune specific Rxs
- Develop specific Rxs
- Simplify **with generic Rxs**
- Refer to State map on slide 13

Know where you stand in this matrix

October 30, 2006 Public Information Session 22

Generic Rxs

- Generic Rxs, the “remedies” are flexible
- Simplify - Allow new and expanded facilities with no special “208 content check”
- Tailored to fit authorities of MA
 - Communities with home rule powers
 - County government
 - Community sewer districts
 - PUCO entities
- Example will follow later

October 30, 2006 Public Information Session 23

Specific Rxs

- Address special water quality needs
 - Big Darby issues covered
- Specific Rxs contain the “boundaries” for new or expanded wastewater disposal
 - Treatment scenarios
 - Areas to be sewerred or left unsewerred

October 30, 2006 Public Information Session 24

Prescriptions should be

- Based upon up-to-date Facility Planning information (201)
- Represent current determinations about:
 - when and where central sewer service will be provided within a defined geographic area;
 - through what means;
 - how it is funded; and
 - by which management agency(ies).

Do your homework!

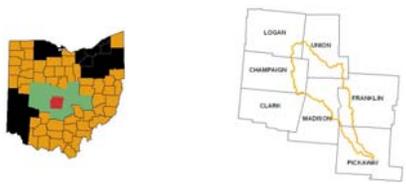
October 30, 2006 Public Information Session 25

Guidance for local communities

- Chapter 9, Table 9-1 (see handout)
- 10 point guidelines to prepare a 201 plan that is acceptable for use in State 208 Plan
 - You must be able to fund and implement the service
 - Get written agreements for multi-jurisdictional scenarios

October 30, 2006 Public Information Session 26

Part 3 How the Plan impacts you



October 30, 2006 Public Information Session 27

Darby at the Crossroads

- Unique & valued resource
- System in declining health
- Growth and development pressure greatest in Franklin County



Direction for meeting water quality challenges
See handout – Fig. 5

October 30, 2006 Public Information Session 28

Darby's Specific Rx

- Appendix 9-3 (see summary chart handout)
- Developed from:
 - External Advisory Group
 - WQ & biological survey, TMDL report
 - Analysis done for storm water permit

October 30, 2006 Public Information Session 29

Darby Rx Includes 9 Criteria

- 0 – Permit for sewers
- 1 – Local zoning  When land is developed **Franklin Co. only**
- 2 – Stream set backs
- 3 – Open space conservation
- 4 – Storm water control (OEPA permit)
- 5 – Alternative zoning (as protective as)
- 6 – Option when zoning is absent

October 30, 2006 Public Information Session 30

Darby Rx criteria continued

- 7 – Riparian land use recommendations for undeveloped and agricultural land uses
 - Voluntary
 - Promote through education, incentives
- 8 – Check dam standard for sewer line installation

October 30, 2006 Public Information Session 31

Darby 208 Rxs and Darby Accord

- Share common objective
- Accord covers issues Ohio EPA can't
- Reasonably aligned technically
- Policy alignment
 - MA for small community systems
- Both require adaptive management
 - Feedback from monitoring situation
 - See updated flow chart, Figure 5

October 30, 2006 Public Information Session 32

Examples of Community Level Rxs

October 30, 2006 Public Information Session 33

Champaign County

- No county government MA
- Village of St Paris
 - Generic Rxs 1, 2, 3, 4, 6 (handout)
 - No FPA, flexible growth, no 208 conflicts
 - Potentially open to new housing developments with sewers and small treatment systems (generic Rx 9)

Creates risk to WQ, may create poor growth pattern

October 30, 2006 Public Information Session 34

North Lewisburg

- Same Generic Rxs 1, 2, 3, 4, 6
- Local water quality situation in Spain Creek & Big Darby led to a specific Rx
 - coverage under the small MS4 permit
 - Update 201 Facility Plan
 - Examine stream temperature & ground water issues

Push towards specific Rxs to protect the resource

October 30, 2006 Public Information Session 35

Madison County

- County MA with 2 sewer districts
- Generic Rxs 1, 3, 4, 5, 6, 7, 9
- Delineated FPA
- Specific Rx 49-P1
 - New development must tie into system

Result of Comp Plan & local government collaboration

October 30, 2006 Public Information Session 36



Part 5

Summary & Next Steps



Summary – added value from 208 Plan

- Use water quality information to direct action
- Update population projections & plan for sewage capacity issues
- Educate public and elected officials on the steps & options to achieve Clean Water Act goals
- Develop and implement locally created solutions that meet wastewater and water quality needs

October 30, 2006 Public Information Session 38



Next up for Ohio EPA

- More guidance for local communities
 - Provide good examples of facility planning work that meets 208 Plan expectations
- Implement a standardized format for local governments to provide a “statement of commitment”, re a pending 208 Plan Rx.
- Begin 2007 update of State WQM Plan

Know what you sign on for!

October 30, 2006 Public Information Session 39



For More Information

- Information on 208 planning can be found at:
 - www.epa.state.oh.us/dsw
 - Or by contacting Dan Dudley at
 - dan.dudley@epa.state.oh.us
 - (614) 644-2876

October 30, 2006 Public Information Session 40