

ILLINOIS WATER QUALITY MANAGEMENT PLAN AMENDMENT APPLICATION PACKAGE

Southwestern Illinois Metropolitan and Regional Planning Commission
203 West Main Street
Collinsville, IL 62234
Phone (618) 344-4250, Ext. 109
FAX (618) 344-4253

Revised
August 1, 2001

FOREWORD

The Federal Water Pollution Control Act (FWPCA) Amendments of 1972 (P.L. 92-500) and subsequent amendments set forth the framework for the establishment of the water quality management planning program. Section 208 of the FWPCA calls for the development and implementation of areawide waste treatment management plans which address both non-point and point sources of pollution. Section 4(m) of the Illinois Environmental Protection Act (415 ILCS 5/1 et seq.) designates the Illinois Environmental Protection Agency (Illinois EPA) as the entity responsible for administering Section 208 of the FWPCA. In addition, the Act specifically authorizes the Illinois EPA, for purposes of Section 303(e) of the FWPCA, to engage in planning processes and activities, to develop plans in cooperation with units of local government other state agencies and persons, and to promulgate procedural regulations for the holding of public hearings on the planning process (415 ILCS 5/4 et seq.).

Section 303(e) requires Illinois to have a continuing planning process approved by the United States Environmental Protection Agency (USEPA), resulting in Water Quality Management (WQM) Plans for all navigable waters in the State. These Plans must incorporate the elements of any areawide water quality management plan adopted under Section 208 of the FWPCA and must provide the procedures for revision of the WQM Plans. Procedures and requirements in revising WQM Plans are further defined in Illinois Administrative Code, Title 35, Subtitle C, Chapter II, Part 351. Revisions to WQM Plans pursuant to these rules and to the Illinois EPA's continuing planning process area incorporated into the annual program plan submitted to USEPA and approved pursuant to Section 106 of the FWPCA.

Illinois Water Quality Management Plan

The Illinois Water Quality Management Plan was prepared in November 1982. The purpose of this plan is to coordinate the three areawide water quality management plans (covering 19 counties) with the State WQM Plan (covering the remaining 83 counties). The WQM Plan is composed of the four preceding WQM Plans plus all approved Facilities Plans and all wastewater National Pollutant Discharge Elimination System (NPDES) Permits excluding industrial process, thermal, and non-contact cooling water NPDES permits. The WQM Plan addresses control of pollution sources, maintenance of stream use and water quality standards, protection of ground water resources, and control of hydrographic modifications. In addition to the assurance of sound economical and environmental decision making, the WQM Plan is also intended to serve as a tool to protect the Federal and State investment in pollution control facilities.

AMENDMENTS TO THE ILLINOIS WATER QUALITY MANAGEMENT PLAN

Amendments are required to reflect:

1. Changes to population projections for the 20-year planning period set forth in approved facilities plans.
2. New designated management agencies.
3. Termination of a designated management agency.
4. Changes to facility planning area (FPA) boundaries.
5. New or modified domestic sewage treatment works.
6. Other activities where a significant amount of public interest exist.

APPLICATIONS TO AMEND THE ILLINOIS WATER QUALITY MANAGEMENT PLAN

Amendment requests may be initiated by either the Illinois EPA; a facility planning authority, a designated management agency, or, if within the counties under their jurisdiction, by one of three identified State of Illinois areawide water quality planning agencies. The areawide water quality planning agency for Southwestern Illinois is the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMRPC). Amendment requests are applicable for only the following counties:

Madison County

Monroe County

St. Clair County

Proposals for new domestic wastewater treatment facilities from public and/or private entities are viewed as requests for "designation as a management authority". Interim standing is provided and amendment proposals are accepted from these groups.

An applicant (developer, municipality, property owner, private individual, etc.) without standing may directly apply for an amendment to the WQM Plan, or may seek standing and apply through a designated management agency, preferably the entity intended to provide collection and treatment service. As such, the designated management agency for the FPA in question is typically asked to file the proposal to revise the WQM Plan with the SIMRPC. The authorized petitioner (i.e., designated management agency) is responsible for completing the amendment application and providing justification for revising the WQM Plan.

WATER QUALITY MANAGEMENT PLAN AMENDMENT APPLICATION

INSTRUCTIONS

1. **Pre-Submittal Coordination.** Applicants are encouraged to discuss proposed WQM Plan Amendments with the responsible designated management agency, county or municipal planning department, public works department and with SIMRPC prior to the submittal of a formal application.
2. Completion of this application form is required for the initiation of the Illinois EPA's review.
 - * **Amendment requests for the construction of new or expanded wastewater treatment facilities (including wastewater land treatment systems) require the completion of Sections A, B, D, and E.**
 - * **Amendment requests for the creation and/or modification of a facility planning area require the completion of Sections A, C, D, and E.**
3. All required sections and questions **SHALL** be answered by the applicant. Incomplete applications may be returned to the applicant and may delay initiation of the Illinois Environmental Protection Agency's review.
4. Formal amendments to the WQM Plan can also be pursued through the Facility Plan approval process in the loan or grant programs administered by the Division of Water Pollution Control. Any information requirements contained in Sections B, C, and D which are applicable to the proposed amendment should be incorporated into the Facility Plan.
5. An applicant in Madison, Monroe or St. Clair County seeking a Water Quality Management Plan Amendment shall submit twenty (20) completed copies of this Amendment Application package to SIMRPC. SIMRPC shall submit one copy to the Illinois Department of Agriculture (IDOA) and two (2) copies to Illinois EPA. The Amendment Application shall generally be considered at the next regularly scheduled meeting following the receipt of the IDOA's review.
6. It is recommended that this application be completed, beginning with Page 1 through the end of Section E, and spiral bound in an 8½" X 11" report format, with no exhibits larger than 11" X 17". This format is necessary, incase additional copies have to be produced for distribution.
7. **Public Notice Requirement.** Upon filing the amendment application with SIMRPC, the petitioner shall issue a public notice of the amendment request by serving a copy of its petition by registered or certified mail upon all affected governmental agencies, corporate bodies, or FPA entities within one and one half (1.5) miles of the subject area and to any person or

group upon request. Furthermore, the petitioner is required to publish notice in the local newspaper or, if appropriate, in a daily newspaper of general circulation for two (2) consecutive days. Such notice shall identify the name of the petitioner, location of the subject area, and a clear, concise statement of the revision being sought.

8. Additional material to be submitted to SIMRPC:
 - a. Copy of public notice with newspaper certificate of publication;
 - b. Agreement from owner or operator of sewage treatment plant to accept and treat additional sewage loadings when applicant is neither owner nor operator.
 - c. Agreement from owner or operator of interceptors to convey additional sewage loadings, when applicant is neither owner nor operator.
 - d. Copies of letters and certified mail receipts notifying DMAs (FPA) within 1.5 miles of FPA change request and notifying Illinois Department of Agriculture and any other agencies (excluding FPA) that may be affected.
 - e. Written concurrence from DMAs with FPAs within 1.5 miles of the change.
9. Application Package consists of the following:
 - a. Completed Application Form.
 - b. All applicable items listed on Number 8 above.
 - c. 20 copies of Application Package a. & b. bound in report format.
10. Final application package will be reviewed for completeness by SIMRPC prior to submittal to the Illinois EPA. All applications and amendments and/or changes shall be received by SIMRPC no later than ten working (10) days prior to the Areawide Management Coordinating Board (AMCB) meeting so that copies may be distributed.
11. Applicant should be aware that, depending on the extent of a proposed FPA expansion, the IDOA may take up to thirty (30) days to complete its review. Therefore, the AMCB may or may not schedule an amendment for review prior to receiving the IDOA recommendation.
12. AMCB Meetings are held in meeting Room "A" at 1:30 p.m. on the first Wednesday of the month, usually at the Fairview Heights Municipal Building. The Municipal Building is located north of Route 50 on the east side of Bunkum Road.
13. Should you have questions or need assistance, please contact SIMRPC at (618) 344-4250, Extension 109.

SECTION A

Date: _____

Petition for Revision of the Water Quality Management Plan

To: Areawide Management Coordinating Board
SIMRPC
203 West Main Street
Collinsville, IL 62234

By: City of O'Fallon
255 South Lincoln Avenue
O'Fallon, Illinois 62269

I hereby file with the Southwestern Illinois Metropolitan and Regional Planning Commission the Petition for Revision of the Water Quality Management Plan. This Petition including all attachments is filed pursuant to the Illinois EPA and SIMRPC's Amendatory Procedures in Revising the Water Quality Management Plan.

Mayor
Signature of Chief Official of the Designated Management Agency

In the Matter of:

Petition to revise the Water Quality Management Plan by City of O'Fallon

NOTICE

To: (Address to each DMA within 1.5 miles of the FPA change).

Caseyville Township Sewer System
1 Ecology Drive
O'Fallon, Illinois 62269

PLEASE TAKE NOTICE that I have filed with the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMRPC) A PETITION TO REVISE WATER QUALITY MANAGEMENT PLAN by City of O'Fallon (Petitioner's Name), a copy of which is herewith served upon you. This Petition is filed pursuant to the Illinois EPA's Amendatory Procedures in Revising Water Quality Management Plans.

City of O'Fallon
Printed Name of Petitioner

Signature of Petitioner

Dennis L. Sullivan
Authorized Agent

City Engineer
Title

Date Signed

In the Matter of:

Petition to revise the Water Quality Management Plan by City of O'Fallon

NOTICE

To: (Address to each DMA within 1.5 miles of the FPA change).

City of Collinsville
125 South Center Street
Collinsville, Illinois 62234

PLEASE TAKE NOTICE that I have filed with the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMRPC) A PETITION TO REVISE WATER QUALITY MANAGEMENT PLAN by City of O'Fallon (Petitioner's Name), a copy of which is herewith served upon you. This Petition is filed pursuant to the Illinois EPA's Amendatory Procedures in Revising Water Quality Management Plans.

City of O'Fallon
Printed Name of Petitioner

Signature of Petitioner

Dennis L. Sullivan
Authorized Agent

City Engineer
Title

Date Signed

In the Matter of:

Petition to revise the Water Quality Management Plan by City of O'Fallon

NOTICE

To: (Address to each DMA within 1.5 miles of the FPA change).

Village of Maryville
2520 North Center Street
Maryville, Illinois 62062

PLEASE TAKE NOTICE that I have filed with the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMRPC) A PETITION TO REVISE WATER QUALITY MANAGEMENT PLAN by City of O'Fallon (Petitioner's Name), a copy of which is herewith served upon you. This Petition is filed pursuant to the Illinois EPA's Amendatory Procedures in Revising Water Quality Management Plans.

City of O'Fallon
Printed Name of Petitioner

Signature of Petitioner

Dennis L. Sullivan
Authorized Agent

City Engineer
Title

Date Signed

In the Matter of:

Petition to revise the Water Quality Management Plan by City of O'Fallon

NOTICE

To: (Address to each DMA within 1.5 miles of the FPA change).

City of Troy
116 East Market
Troy, Illinois 62294

PLEASE TAKE NOTICE that I have filed with the Southwestern Illinois Metropolitan and Regional Planning Commission (SIMRPC) A PETITION TO REVISE WATER QUALITY MANAGEMENT PLAN by City of O'Fallon (Petitioner's Name), a copy of which is herewith served upon you. This Petition is filed pursuant to the Illinois EPA's Amendatory Procedures in Revising Water Quality Management Plans.

City of O'Fallon
Printed Name of Petitioner

Signature of Petitioner

Dennis L. Sullivan
Authorized Agent

City Engineer
Title

Date Signed

WATER QUALITY MANAGEMENT PLAN AMENDMENT APPLICATION

Petitioner(s): City of O'Fallon

Petitioner's Authorized Agent:

Name: Dennis L. Sullivan, P.E.

Title: City Engineer

Entity: Municipality

Address: 255 South Lincoln Avenue

City: O'Fallon State: IL Zip: 62269

Phone: (618) 624-4500 FAX: (618) 624-4534

Type of Amendment Change Requested:

New Treatment Facility X FPA Boundary Modification X

Expanded Plant Capacity FPA Creation

New Discharge X Land Treatment System

Other (specify)

Identify all FPA(s) within 1.5 miles of subject area/FPA:

Caseyville Township FPA

Collinsville FPA

Troy FPA

Collinsville FPA – Maryville Sub FPA

See Exhibit A-1A, B

SECTION B

CONSTRUCTION OF NEW WASTEWATER TREATMENT FACILITY

1. **Provide a summary of the nature and need of the requested Illinois Water Quality Management Plan amendment.**

The proposed FPA Amendment expands the O'Fallon FPA northerly into an area within which residential growth is occurring, is being planned, and is expected to occur and to become a part of the City of O'Fallon. The watersheds in this area drain to the southeast into Silver Creek.

2. **Facility Information**

Name: City of O'Fallon

Ownership: Public Private _____ Public/Private _____

Owner's Name: City of O'Fallon

Operator: City of O'Fallon

Location: (No. & St.) _____

City/Township/County _____ / Jarvis / Madison _____ Zip _____

3. **Proposed Treatment Process**

Generally describe the wastewater treatment process to be used for the proposed discharge. (A flow chart with equipment may be used.)

See Exhibit B-1 for the basic plant layout. The proposed treatment facility will include influent pumping, screening, oxidation ditches, clarifiers, tertiary filters, sludge pumping, and sludge disposal.

4. **Existing Treatment Process**

Please specify design year: 2017 – Existing WWTF

Please specify year of last major upgrade: 1997 – Existing WWTF

Design Average Flow - Current MGD: 5.61 – Existing WWTF

Three Month Low Flow - Current MGD: 2.0 – Existing WWTF

On Critical Review List: No X Yes _____

Critical Review is defined as the periodical Illinois EPA determination that a sewer or lift station is approaching hydraulic capacity or that a sewage treatment plant is approaching capacity, such that additional sewer connection permit applications will require close scrutiny to determine whether issuance would result in a violation of the Act or Regulations.

On Restricted Status List: No X Yes _____

Restricted Status is defined as the periodical Illinois EPA determination that a sewer or lift station has reached hydraulic capacity or that a sewage treatment plant has reached design capacity, such that additional sewer connection permits may not longer be issued without causing a violation of the Act or Regulations.

5. **Receiving Water**

Name and Location: Mill Creek – Proposed WWTP

Type: Stream X Lake _____ Injection Well _____ Wetlands _____

Other (i.e., land application) _____ If other, describe _____

Receiving Stream or Watershed Silver Creek / Kaskaskia River

6. **Discharge Point(s)**

Latitude: Degrees 89 Minutes 51 Seconds 04

Longitude: Degrees 38 Minutes 40 Seconds 42

7. **Area to be Served**

Provide a map of the existing and forecasted service area for the subject treatment facility.

See Exhibit A-1A, B

Current Population of Area 1,312+/- Existing Households 375 +/- Estimated

Projected Population _____ Projected Population: 26,858 By Year: 2029

SECTION C

**FACILITY PLANNING AREA (FPA) CREATION AND/OR
BOUNDARY MODIFICATION**

1. **Provide a summary of the nature and need of the requested Illinois Water Quality Management Plan amendment.**

The proposed FPA Amendment expands O'Fallon northerly into an area within which residential growth is occurring, is being planned, and is expected to occur and to become a part of the City of O'Fallon. The watersheds in this area drain to the southeast into Silver Creek.

2. **Geophysical Information. Provide the following geophysical information regarding the subject area:**

a. Size: Approx. 7,500 (Acres) To be added or deleted Added

b. Attach a current 11" X 17" FPA map of the subject area with the proposed boundary change superimposed. These maps are available from SIMRPC. *See Exhibits C-1A,B*
St. Clair O'Fallon 2

c. Location: County, Madison Township, Jarvin Sections, 20-36

d. Attach a legal description of the proposed FPA addition/deletion area.
See Exhibit C-2

3. **Is the requested area part of an existing FPA(s)?**

No X Yes _____ If yes, provided the name(s) of the FPA(s):

4. **Population/Household Forecasts**

a. Current Population of Subject Area:

1,312 +/- Persons 375 +/- Number of Households (Estimated)

b. Twenty Year Forecasted Population of Subject Area:

26,858 Persons 7,673 Number of Households

By The Year 2029

- c. Current Wastewater Flow of Subject Area: Not Sewered MGD
- d. Twenty Year Forecasted Wastewater Flow of Subject Area: 7.41 MGD

By The Year 2029

- e. Type of Current Flows: Domestic Industrial Combination **None**
- f. Type of Forecasted Flows: Domestic Industrial Combination

5. **Identify the existing population of the current FPA, wasteloads and facilities to treat such wasteloads.**

- a. Current Population in existing FPA: 20,625 Persons
Number of Households: 8,250
***There are approximately 1,000 households in the City of O'Fallon that lie within Caseyville Township FPA.**
- b. Current Hydraulic Loading of Wastewater Treatment Plant which currently treats the existing flow:

5.61 Million Gallons Per Day, Design Average Flow
3.56 Million Gallons Per Day, Current Average Flow
63.5 Percent Capacity Utilized

- c. Current BOD5 Loading of the Wastewater Treatment Plant which currently treats the existing flow:

10,533 Pounds of BOD5 Per Day, Design Average Loading
9,281 Pounds of BOD5 Per Day, Average
88.1 Percent Capacity Utilized

- d. Existing Interceptor Capacities Tributary to Proposed Modification:

Interceptors will not be utilized to carry flow from the expansion area.

- e. Current Average Flow in Tributary Interceptors:

3.56 MGD

6. **The proposed amendment must not exceed the population projections for the twenty-year planning period set forth in the currently approved facility plan or Bureau of the Budget projections (by more than 10% for communities under 10,000 population or 5% for communities over 10,000 population).**

7. **Area Land Uses and Proposed Facilities**

Provide the following information plus a written description of the existing and proposed future land use of the subject area, including any specific developments scheduled and/or planned with a description of site plans and how such development(s) will be staged, if available.

- a. Current Zoning of Area Residential/Agricultural See Exhibit C-3
- b. Zoning Body (Municipality or County Name) Madison County, St. Clair County
- c. Development planned for the subject area. For each development, provide the following information: project name, developer, unit density, number and mix of units for residential developments, and current project status (i.e., planned, annexed, zoned, under construction, construction completed, etc.). (Attach additional sheets as needed.) *See Exhibit C-4*

O'Fallon's growth to the north continues. There are currently several developments underway south of the proposed FPA expansion area and several in the initial planning stage. With the present rate of the City's growth and the possibility of IDOT's Gateway Connector, the area will continue to develop. Without a plan for sewer service, this development will occur using individual septic and aeration wastewater treatment systems. With the continued development, the City will eventually be reaching the capacity of their existing treatment facility. An additional treatment facility or expansion of the existing facility will be required. The proposed FPA expansion will allow for the planning of the new facility and interceptor sewers for the expansion area as growth continues northerly. There are currently developments inside the FPA Expansion Area:

1) Castle Ridge Estates – 50 lots

8. **Provide a narrative description of proposed sewer facilities, including the proposed type, size, location, and distance to existing wastewater interceptor and treatment facility, with anticipated development time:**

See Exhibit B-3B for proposed interceptor locations. These interceptors will provide Sanitary Sewer Service for the area as it develops. North Fork Interceptor is approximately 6000 L.F. of 12" and 16". Mill Creek Interceptor is approximately 30,000 L.F. of 27" to 12". Southeast Creek Interceptor is approximately 4700 L.F. of 12" and 8". All interceptors will flow to the new treatment facility.

9. Provided the following information regarding the anticipated costs for the proposed facility modification/creation.

Wastewater Treatment Plant	\$ <u>10,330,000</u>
Sludge Handling Facilities	\$ <u>1,740,000</u>
Pump Stations	\$ <u>720,000</u>
Interceptor Sewers	\$ <u>2,706,000</u>
Collection Sewers	\$ _____
Land Acquisition	\$ <u>50,000</u>
Project Management/Design	\$ _____

Estimated Total Construction costs: \$ 15,546,000

10. Provide an estimate of annual operation, maintenance, and replacement costs for the proposed facility modification/creation.

Labor	\$ <u>1,037,200</u>
Utilities	\$ <u>265,500</u>
Materials	\$ <u>71,600</u>
Outside Services	\$ <u>119,500</u>
Equipment Replacement	\$ <u>344,500</u>
Miscellaneous	\$ <u>185,800</u>

Total Estimated Annual O.M. & R. Costs \$ 2,024,100

SECTION D

ENVIRONMENTAL ASSESSMENT

1. **If applicable, provide the following information regarding the environmental characteristics of the subject area.**

a. Surface Water Bodies (streams, lakes):
Map Attached Exhibit B-2,C-1 Not Applicable (None) _____

b. Wetlands: Map Attached Exhibit D-1A, B Not Applicable (None) _____

c. Floodplains: Attach map giving location (Township, Section, and ¼ Section) of all Illinois Department of Transportation/Division of Water Resources-Federal Emergency Management Agency regulatory floodplains located in, or immediately adjacent to the subject area.

Map Attached Exhibit D-2A,B,C Not Applicable (None) _____

d. Soils map (always applicable) Exhibit D-3A,B,C,D,E,F,G

e. Other (specify): _____

f. Attach map identifying any aquifer, groundwater recharge area, setback zone, and/or state designated natural area located on or immediately adjacent to the subject area.

Map Attached _____ Not Applicable (None) X

2. **Will the project include, require, or result in modification (i.e., filling, dredging, channelization, disposal, or similar activity) of any lake, stream, wetland, or floodplain area?** (Section 404 permit may be required.)

No X Yes if yes, describe _____

SECTION E

FACILITY PLANNING AREA MANAGEMENT

1. Stormwater Management

- a. Is the affected area subject to a municipal and/or county stormwater management ordinance? Yes X No _____

Madison County and City of O’Fallon Ordinances will be enforced depending on jurisdiction at the time.

If Yes, provide the name of the municipality or county, attach copy of the ordinance and answer the following questions: **Exhibit E-1, E-2**

- b. Will identified development include (check all applicable):

X Storm Sewers Discharging to (Stream): _____
 X Detention Ponds: Volume (acre/feet) Unknown
 X Release Rate (cfs/acre) Pre-development

_____ Dry Bottom _____ Wet Bottom

- c. Does the applicable stormwater management ordinance:

- 1) Include control of runoff volume, rate, and quality in the purpose statement?
Yes X No _____ **According to the City’s Subdivision Ordinance, all developments must submit storm water management plans to be reviewed by City Engineer.**

- 2) Require adequate storage for the 100-year, 24-hour design event?
Yes X No _____ No, what does it require?

- 3) Require the use of hydrograph-based methodologies in combination with Illinois State Water Survey Bulletin #70 rainfall data in designing stormwater systems?
Yes _____ No X If No, what does it require?

- 4) Require that post-development discharge rates for the 100-year, 24-hour event be limited to 0.15 cfs per acre of watershed?
Yes _____ No X If No, what does it require?
Pre-development discharge rate.

5) Require that post-development discharge rates for the 2-year, 24-hour event be limited to 0.04 cfs per acre of watershed?

Yes_____ No X If No, what does it require?

Pre-development discharge rate.

6) Require detention designs to maximize water quality benefits, with preference for wet bottom basins over dry bottom basins?

Yes_____ No X

7) Prohibit detention in flood plain and floodway?

Yes_____ No X

8) Prohibit on-stream detention, unless it provides regional storage?

Yes_____ No X

9) Emphasize a drainage hierarchy which promotes natural practices (e.g., swales, depressional storage areas) over storm sewers?

Yes_____ No X

10) Require formal maintenance contracts for new detention facilities?

Yes_____ No X

2. **Soil Erosion and Sediment Control Management**

a. Is the affected area/facility planning area subject to a municipal and/or county soil erosion and sediment control ordinance/subdivision ordinance or building ordinance including soil erosion and sediment control?

Yes X No _____

If Yes, provide the name of the municipality or county, attach a copy of the ordinance, and answer the following questions. ***See Exhibit E-1, E-3.***

Madison County and City of O'Fallon

b. Does the applicable ordinance:

- 1) Require soil erosion and sediment control measures for all new developments and redevelopments consistent with the recommendations contained in “A Model Ordinance Providing for the Control of Stormwater Drainage and Detention, Soil Erosion and Sediment Control”, SIMAPC June, 1997)

Yes X No _____

- 2) Require that erosion and sediment control measures be in place as part of any land development process and before significant grading or disturbance is allowed:

Yes X No _____

- 3) Require routine maintenance of all erosion and sediment control facilities?

Yes X No _____

- 4) Provide effective enforcement mechanisms?

Yes X No _____

- 5) Require the inspection, by appropriately trained personnel of construction sites at critical points in the development process to ensure that measures are being correctly employed and maintained?

Yes X No _____

3. **Flood Plain Management**

- a. Is the affected area/facility planning area subject to a FEMA approved municipal and/or county flood plain ordinance?

Yes X No _____

If Yes, provided the name of the municipality or county, attach a copy of the ordinance, and answer the following questions.

City of O’Fallon. See Exhibit E-4.

b. Does the applicable flood plain ordinance:

- 1) Include protection of hydrologic functions, water quality, aquatic habitat, recreation, and aesthetics in the purposes for the ordinance?

Yes _____ No X

- 2) Restrict modification in the flood way to the following appropriate uses: public flood control projects, public recreation and open space uses, water dependent activities, and roadway and bridge crossing?

Yes _____ No X

- 3) Regulate the modification of high quality and irreplaceable wetlands, lakes and stream corridors?

Yes _____ No X

- 4) Designate a setback zone from the edge of identified wetlands and waterbodies in which development is limited to the following types of activities: minor improvements like walkways and signs, maintenance of highways and utilities, and park and recreational area development?

Yes _____ No X If Yes, identify the minimum width:

- 5) Establish a native vegetation buffer strip from the edge of identified wetlands and waterbodies?

Yes _____ No X If Yes, identify the minimum width:

- 6) Limit allowable interferences with the natural characteristics of identified waterbodies, except for the purpose of improving natural characteristics?

Yes _____ No X