



Community watershed management plan — suggested roles for key agencies

Dan Downing, Water Quality Associate, University of Missouri-Columbia
Bob Broz, Water Quality Specialist/Coordinator, University of Missouri-Columbia

This guide sheet is a list of responsibilities to be carried out by the respective agencies, governmental and nongovernmental organizations that have a vested interests in local watershed issues. It is also intended for use as a component of a locally developed watershed management plan or watershed restoration action strategy. It is not intended to replace or serve as a watershed management plan.

This guide was developed and reviewed by MDA, MDNR, MCGA, NRCS and UOE representatives. Parts I, II, III contain the information needed for preliminary planning and record keeping for those key players in a specified watershed. Part IV is a plan of action for communities to follow if a notice of violation (NOV) is issued for their public water supply.



Don Schuster photo

Part I. Suggested roles for the water plant operator or city officials

Plant location: _____

Plant contact: _____

Phone no. _____ FAX _____

As part of the watershed management plan the water plant operator or public works official should have a notebook or manual containing the following information:

- A map of the watershed that drains into the reservoir
- Number of acres in the watershed (drainage area)
- Reservoir surface area and average depth (if applicable)
- Other raw water sources
- List of land owners in the watershed
- Activities/businesses within the watershed
- Listing of filtration system type and installation
- Copies of the "Consumer Confidence Report"
- Dates of when water test are collected
- Records in accordance with MDNR regulations
- PWSD districts served by the municipality
- Other pertinent information

Optional items that are recommended:

- Voluntary monitoring results
- Contact people for filtration system repair

Company name _____

Emergency phone number _____

Name of contact _____

Company address _____

- List of agency contact people for assistance

Local NRCS

Contact name _____

Phone _____

Local UOE

Contact name _____

Phone _____

Regional MDNR

Contact name _____

Phone _____

State MDA

Contact name _____

Phone _____

State MDNR

Contact name _____

Phone _____

Part II. Suggested roles for NRCS and/or UOE

Local NRCS contact _____

Phone no. _____ FAX _____

Local UOE contact _____

Phone no. _____ FAX _____

Local NRCS and UOE personnel work together to help communities develop watershed management plans and watershed teams. They encourage collaborative efforts, sound management practices and convey the message of shared watershed management responsibility for urban and rural residents.

NRCS and UOE are also partners with non-governmental groups to help local officials and/or local water district personnel coordinate individual management plans.

These two agencies should have the following current information about the watershed on file:

- Number of acres in the watershed
- Number of acres in permanent pasture
- Number of acres in woodland or forest and acres in row crop (five year average for corn, beans, milo and wheat)
- Livestock operations in the watershed, locations and size
- Surface area size and average depth of the reservoir (if applicable)
- List of current landowners/operators in the watershed (Attached sheet)
- Best management practice structures in watershed (waterways, buffers, terraces, etc.) (Attached sheet for each land owner)
- Activities and businesses within the watershed (Attached sheet)

- Name and contact of local agri-chemical/fertilizer suppliers (Attached sheet)

Position _____

Contact name _____

Phone _____

- Name of water plant operator, city official or local contact

Position _____

Contact name _____

Phone _____

- Agency contacts:

NRCS/SWCD

Contact name _____

Phone _____

UOE

Contact name _____

Phone _____

MDNR

Contact name _____

Phone _____

MDA

Contact name _____

Phone _____

MDC

Contact name _____

Phone _____

- Nongovernmental organization contacts:

MCGA

Contact name _____

Phone _____

MSBA

Contact name _____

Phone _____

Other

Contact name _____

Phone _____

Part III. Suggested roles for the MDA and MDNR

Regional MDA

Contact name _____

Phone _____

State MDA

Contact name _____

Phone _____

Regional MDNR

Contact name _____

Phone _____

State MDNR

Contact name _____

Phone _____

MDNR should:

- Monitor drinking water supplies in accordance with state and federal regulations
- Provide treatment plant design and operation assistance
- Provide outline for use in producing consumer confidence reports

MDA should:

- Provide copy of state pesticide management plan
- Conduct required investigation if a NOV occurs

Each agency should have on file:

- A watershed map of the area that drains into the reservoir (if applicable)
- Number of acres in the watershed
- Number of acres in the reservoir (if applicable)
- Other raw water sources
- Filtration system type and installation date
- Water Plant - Consumer Confidence Reports
- Quarterly water test analysis
- Local water plant operator or city official contact:

Name _____

Address _____

Phone no. _____ FAX _____

• Agency contacts:

NRCS

Contact name _____

Phone _____

UOE

Contact name _____

Phone _____

SWCD

Contact name _____

Phone _____

Part IV. Plan of action

After a NOV has been issued for pesticide levels:

The MDNR will:

1. Notify the public water supply and the MDA, who in turn, initiates official investigation and contacts the regional MDA.
2. Coordinate information sharing and notifies technical support team that consists of:
 - Plant operator or city official
 - State/Regional MDNR
 - State/Local NRCS
 - State/Local UOE
 - Key NGOs
 - Appropriate crop commodity group if a pesticide violation occurs
 - Appropriate livestock commodity group if a nutrient violation occurs

Other organizations will:

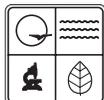
1. Local NRCS/SWCD and UOE will coordinate with the regional MDNR and the MDA representatives, who are meeting with treatment plant operator
2. Local NRCS/SWCD and UOE will work with MDNR and MDA in reviewing the community's watershed information file
3. Local NRCS/SWCD and UOE will compile area data and assist the MDA in its investigation

The technical support team will:

1. Collaborate with nongovernmental groups to obtain landowner assistance
2. Develop a plan of action with local producers and others to correct possible repeat of violation
3. Work with nongovernmental groups and land/business owners to implement a plan of action

List of acronyms:

- MCGA — Missouri Corn Growers Association
- MDA — Missouri Department of Agriculture
- MDC — Missouri Department of Conservation
- MDOH — Missouri Department of Health
- MSBA — Missouri Soy Bean Association
- NGO — Nongovernmental organizations
- NRCS — Natural Resources Conservation Service
- UOE — University Outreach and Extension



Published with funds provided to the Missouri Department of Natural Resources from the Environmental Protection Agency, Region VII. To learn more about water quality and other natural resource issues, contact the Missouri Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102. Toll free 1-800-334-6946.



■ Issued in furtherance of Cooperative Extension Work Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. Ronald J. Turner, Director, Cooperative Extension, University of Missouri and Lincoln University, Columbia, MO 65211.
■ University Outreach and Extension does not discriminate on the basis of race, color, national origin, sex, religion, age, disability or status as a Vietnam era veteran in employment or programs. ■ If you have special needs as addressed by the Americans with Disabilities Act and need this publication in an alternative format, write ADA Officer, Extension and Agricultural Information, 1-98 Agriculture Building, Columbia, MO 65211, or call (573) 882-7216. Reasonable efforts will be made to accommodate your special needs.