

## AGENDA

Watershed Planning Advisory Council (WPAC)

March 20, 2014

Des Moines Water Works, 2201 George Flagg Parkway, Des Moines, IA.

12:30 PM

1. Call the meeting to order
2. Introductions
3. Update – Iowa Nutrient Reduction Strategy  
WRCC Measures Sub-Committee Shawn Richmond
4. DNR Nutrient Budget Roger Bruner
5. NRCS Certified Conservation Plans Marty Adkins
6. Other
7. Adjournment

### **Iowa Nutrient Reduction Strategy Recommendation Discussion**

1. Does WPAC have a role in advancing the Nutrient Reduction Strategy?
  - a. Does WPAC have a role in implementing the Strategy?
  - b. Is WPAC the forum for cooperative point (PS) and non-point sources (NPS) to discuss issues, concerns, and suggestions regarding Strategy implementation?

**If it is decided that WPAC does not have a role in advancing or implementing the Strategy, the following discussion items may be irrelevant.**

2. Should either the WRCC or WPAC membership be modified? If so, how?
3. Over the next 2-5 years, are there implementation plans for the PS and NPS group's that requires:

- a. State or federal legislation
  - b. State or federal funding assistance
  - c. Incentives
4. What are PS and NPS near term goals and schedule for meeting the goals? Do these goals include:
- Nutrient reduction progress monitoring:
- a. Record of BMP and edge of field practices
  - b. Water quality monitoring programs
  - c. How PS groups can assist DNR with monitoring programs
  - d. Relevant water quality parameters
  - e. Other
5. Should WPAC make recommendations for:
- a. “Nutrient Trading” – is there an interest? If so, who is willing to develop the recommendation?
    - i. PS / PS trading
    - ii. PS /NPS trading
  - b. Implementation of “Certified Conservation Plans” – is there an interest? If so, who is willing to develop the recommendation?
6. Should WPAC make recommendation for:
- a. Additional research?
    - i. Economic analysis of NPS implementation (Economic study as discussed with ISU during development of the draft Strategy)?
    - ii. Economic analysis of PS implementation?
    - iii. Economic analysis of nutrient trading program
  - b. Reporting on research of?
    - i. Best management practices
    - ii. Technology
7. Other?

Potential Topics and Speakers

Topic	Presenter	Person Recommending
How the IDNRs 319 program fits with the INRS		Gary Edwards
DNR’s nutrient budget process to measure reductions in loads	Adam Schnieders (?)	Gary Edwards
USDA’s role and how NRCS is supporting the INRS		Gary Edwards
Phosphorus Study	Tom Isenhart	Gary Edwards & Rick Robinson, IA Farm Bureau, <a href="mailto:rrobinson@IFBF.org">rrobinson@IFBF.org</a> 515-225-5432
Nitrate Study	Keith Schilling	
Nutrient Trading (1)		Rick Robinson, IA Farm Bureau,

		<a href="mailto:rrobinson@IFBF.org">rrobinson@IFBF.org</a> 515-225-5432
Economic Analysis of Nutrient Trading	Cathy Kling, ISU	Bill Ehm, IDNR, <a href="mailto:willima.ehm@dnr.iowa.gov">willima.ehm@dnr.iowa.gov</a> 515-281-5817
Nutrient Trading	Charlie Shaffer	Clare Lindahl, Conservation Districts of Iowa <a href="mailto:clare.lindahl@cdiowa.org">clare.lindahl@cdiowa.org</a> 515-289-8300
Nutrient Trading	Joe Whitworth, President of Freshwater Trust, Portland, OR or a summary by the IEC	Clare Lindahl, Conservation Districts of Iowa <a href="mailto:clare.lindahl@cdiowa.org">clare.lindahl@cdiowa.org</a> 515-289-8300
Study by US Geological Survey: Nitrate abilities of the thin zone of sediment of streams/rivers. (2)	US Geological Survey	Louis Leon, LT Leon Associates <a href="mailto:lleon@tleon.com">lleon@tleon.com</a> 515-422-7016

#### INRS-Iowa Nutrient Reduction Strategy

#### Resources:

- (1) Nutrient Trading – The World Resources Institute has done an economic feasibility study on nutrient trading in the Mississippi River Basin. A link to the news release which contains a link to the study is <http://insights.wri.org/news/2013/04/can-nutrient-trading-shrink-gulf-mexicos-dead-zone>
- (2) Nitrate Removal – US Geological Survey Study – study that investigates natural nitrate removal abilities of the thin zone of sediment in streams/rivers. This zone is termed the ‘hyporheic’ zone. [http://www.usgs.gov/newsroom/article.asp?ID=3748&utm\\_campaign=EWRI-20131223-December%20e-Update&utm\\_medium=email&utm\\_source=Eloqua#.UryEY2A272](http://www.usgs.gov/newsroom/article.asp?ID=3748&utm_campaign=EWRI-20131223-December%20e-Update&utm_medium=email&utm_source=Eloqua#.UryEY2A272)

**NOTE:** WPAC discussions are not limited to the Iowa Nutrient Reduction Strategy. The legislative charge to WPAC is to review research and make periodic recommendations to state and federal agencies regarding methods to best protect water resources in Iowa, assure an adequate supply of water, mitigate and prevent floods, and coordinate the management of the state’s water resources in a sustainable, fiscally responsible, and environmentally conscientious manner.