

**ND Department of Health
Nutrient Reduction Actions and Strategies Stakeholder meeting
May 3, 2018
Mandan, ND**

Specific Nutrient reduction actions/strategies for *storm water/point sources*:

- Source control- cooling water etc.
- Monitoring
 - Intake
 - DMR
 - In stream
- Housekeeping BMP's

Identify education and outreach actions and strategies to promote and implement the strategy:

- Acreage/land use
- LEC
- "Bad Actors"

Identify indicators and measures that can be used to assess and report on nutrient reduction success and failure.

- Monitoring
- Accountability/responsibility

Specific Nutrient reduction actions/strategies for *private sewage disposal systems*:

- Consistent approach
- Review systems on homes that are "x" age.
- Limit where septic systems can be installed (soils are a limiting factor)
- Education and public outreach
 - Real estate agents
 - Developers
 - Social media
- Finding bad actors when it comes to installation
 - Education and permitting/licensing

Identify education and outreach actions and strategies to promote and implement the strategy:

- Realtor training
- Publications
 - "Maintaining Your septic system"- Farm & Ranch Guide (explain why and the \$ savings)
 - Inserts in proper tax statements
 - Developers- handout zoning-NRCS soil info
 - Handouts for septic pumpers to give to customers

- Meeting with public health units
 - Posting of each counties ordinances on state DoH website

Identify indicators and measures that can be used to assess and report on nutrient reduction success and failure:

- Inventory state systems to determine scope
 - Follow up after “x” amount of time of outreach
- Target township level
- Determine level of pumping
 - Pumper records
- DNA testing to identify problems

Specific Nutrient reduction actions/strategies for AFO/CAFO:

- Producers-education-look at using facilities that have been successful
- Social media outreach
 - Twitter
 - Facebook
 - Develop App for DEQ
 - NDSU Extension- NMP education
 - Financial Assistance/technical
 - Dept. Ag
 - NRCS
 - Stockmen’s
 -

Identify education and outreach actions and strategies to promote and implement the strategy:

- Memorable marketing
- Sellable
- Face to Face/ food & coffee
- Are AFO & CAFOs over sold on the impacts to water quality

Identify indicators and measures that can be used to assess and report on nutrient reduction success and failure:


- Permitted= Do report & accountable
- Non-permitted

Specific Nutrient reduction actions/strategies for Ag Non Point Sources

- Education
- ID potential risk areas
 - Current states inventory
- Identify BMP/systems that are known to work
- ID additional research needs

- Solicit impact from stakeholders
- “Helping” structure for success
 - Technical (one stop)
 - Financial resources
 - Farmer to farmer testimony
 - Common message
- Solution based on science
- Matching economics & timeliness with opportunities & assistance

Identify education and outreach actions and strategies to promote and implement the strategy:

- 
- All social media
 - Technical assistance training (common message)
 - Public service messaging
 - Rural & urban
 - Commodity group publications
 - Maximize face to face contacts
 - Turn around assistance team- (structure for success)
 - Demonstration projects (water quality champions)

Identify indicators and measures that can be used to assess and report on nutrient reduction success and failure:

- Farmer Speakers
 - Speakers bureau
- Publish Success