



Roadmap to Managing
Nonpoint Source Pollution:
Developing your CWA Section
319 Program

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What is Nonpoint Source Pollution?

Audrey Johnson, US EPA Region 9





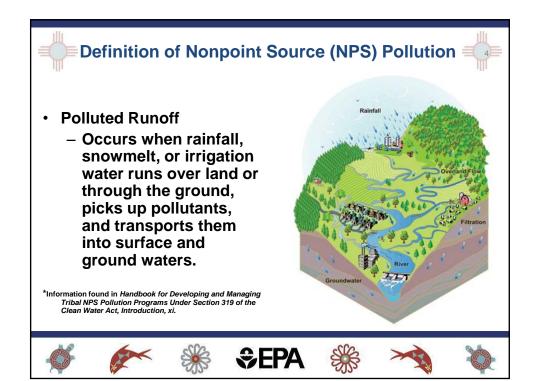


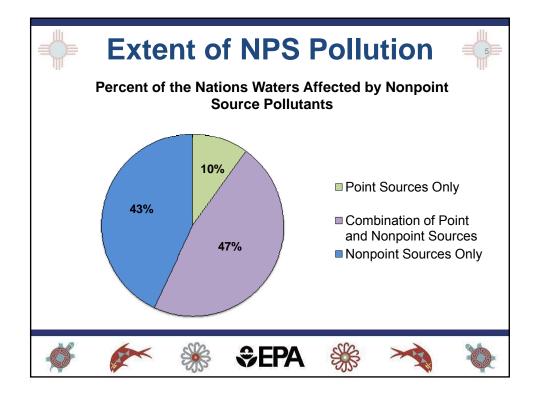
















Major Categories and Sources of NPS Pollution



- Abandoned Mine Drainage
- Forestry Activities
- Faulty Septic Systems
- Construction Activities
- Marinas and Boating
- Roads, Highways and Bridges

















Definition of Sub-Category of NPS Pollution



- Specific Details that Describe the Category of NPS Pollution in an Area
 - Example: Agriculture
 - Number of Acres of Irrigated Crop Production
 - Number of Feedlots
 - Number of Miles of Fencing Needed to Prevent Livestock Access to a Water Body
 - Number of Acres of Pastureland

*Information found in Handbook for Developing and Managing Tribal NPS Pollution Programs Under Section 319 of the Clean Water Act, I-9.



















Examples of Nonpoint Source Pollution

Categories and Sources Affecting Waterways Nationally





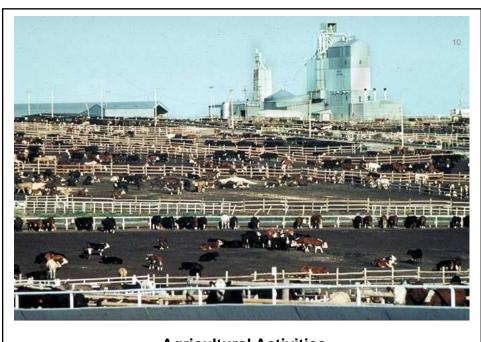










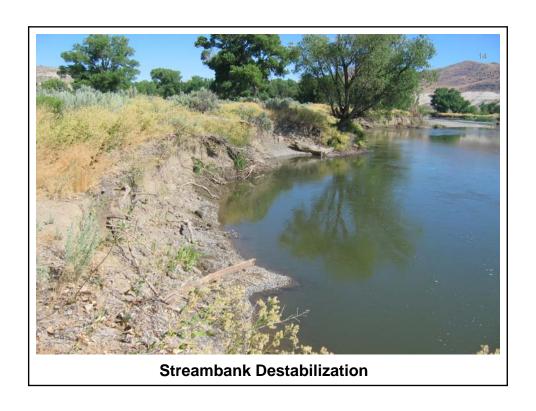


Agricultural Activities



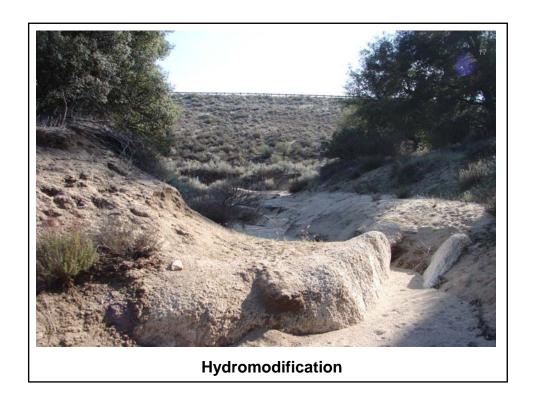


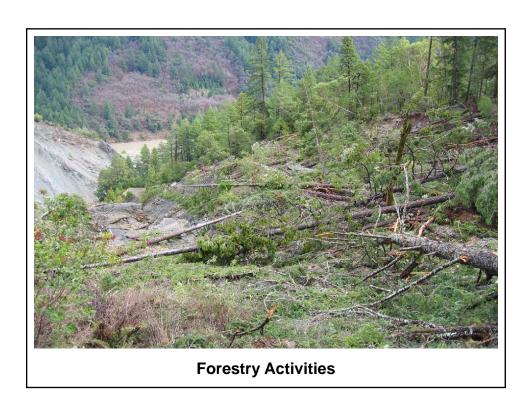


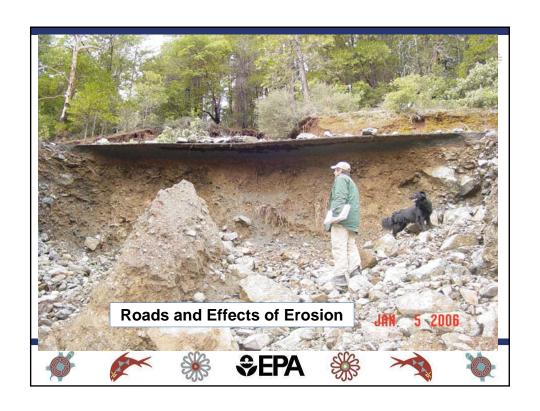


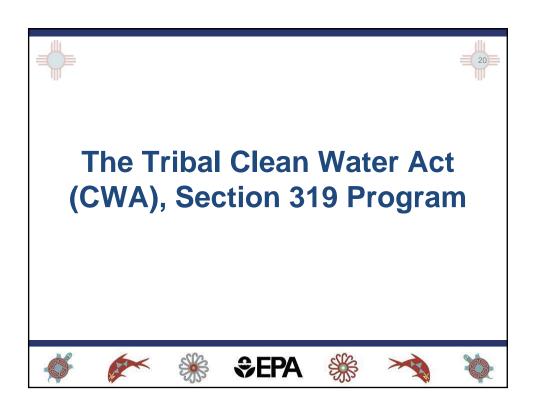














What Does the CWA, § 319 Program Do?



- Provides funding to eligible federally recognized Tribes and States for the purpose of implementing activities to improve water quality.
 - Activities must Address NPS Pollution Problems.
 - Activities must be identified in an EPA-Approved Management Program.

*Information found in Handbook for Developing and Managing Tribal NPS Pollution Programs Under Section 319 of the Clean Water Act, I-1.

















What Activities are Eligible?



- Road Stabilization
- Riparian Planting
- Stream Channel Reconstruction
- Low-Impact Development
- Livestock Exclusion Fencing / Alternate Watering
- Invasive / Non-Native Species Removal
- Springs Protection

- NPS Training for Staff
- Developing NPS Education Programs
- Hiring a NPS Coordinator
- Large Woody Debris Placement
- Urban Stormwater Activities
- NPS Ordinance Development
- Wetland Development for Sediment/Toxic Substance Removal

*Information found in Handbook for Developing and Managing Tribal NPS Pollution Programs Under Section 319 of the Clean Water Act, I-2.

















What Activities are Ineligible? 🗫



- General Assessment Monitoring **Unrelated to Identifying NPS Pollution**
- Implementing Requirements of NPDES **Point Source or Stormwater Permits**
- Operation and Maintenance of NPS **Implementation Projects**
- NPS Activities not Identified in an EPA **Approved Management Program**

*Information found in Handbook for Developing and Managing Tribal NPS Pollution Programs Under Section 319 of the Clean Water Act. I-3.

















Questions?











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Best Management Practices and **Management Measures**

Janette Marsh
NPS Program Specialist States and Tribes
US EPA Region 5 Chicago



















Definitions



BMPs

- Either physical or cultural controls
- Working individually or as a group
- Appropriate to the source, location & climate for the pollutant to be controls

















Definitions



Management Measures

- Economically achievable actions to control the addition of pollutants
- Provide the greatest degree of pollutant reduction

















General Categories of BMPs



- Control pollutants at the source
 - Stormwater infiltration
- Provide treatment for special wastes
 - Manure management/containment
- Prevent stream and river bank erosion
 - Preserve/replace vegetation

















Think about a Treatment Train



- Source controls
- Site controls
- Neighborhood controls
- Regional controls

















Selecting BMPs and MM



- Select Management Measures by category of pollution (agriculture, forestry)
- Select BMPs by the source of pollution, site conditions and climate factors (cattle, paving)

















BMPs Elaborated



- Check the state NPS Management Program documents
- NRCS electronic field office technical guide (efotg) on the web
- Local extension agent

















Calculating Load Reductions



STEPL (Spreadsheet Tool for Estimating Pollutant Load)

Employs simple algorithms to calculate nutrient and sediment loads from different land uses and the load reductions that would result from the implementation of various best management practices. Creates a customized spreadsheet-based model in Microsoft Excel.

http://it.tetratech-ffx.com/stepl/

















Types of BMPs



- Structural
- Non Structural
- Moves dirt
- Institutional
- Plant things
- Ordinance
- Construction
- Outreach and education







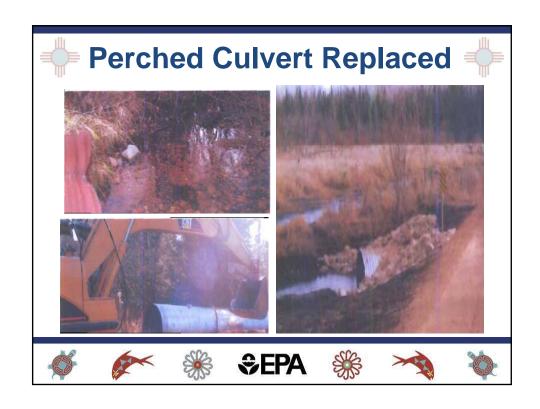


















What it takes to get a BMP implemented



- Technical information what is the problem you are trying to solve
- Partnerships look at what is being used in your area
- Clear understanding of the outcome desired







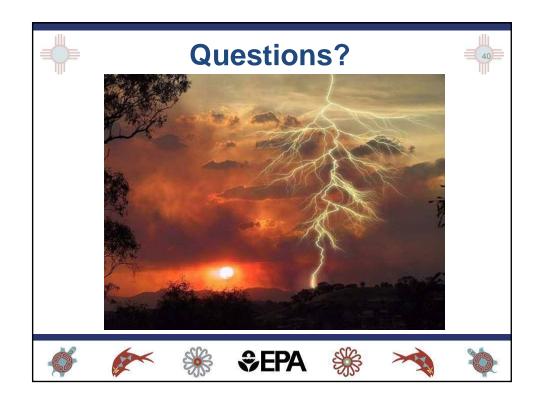














CWA Section 319Tribal Eligibility / TAS



Dan Cozza
Water Division
US EPA Region 5



















Statutory Overview



CWA 319 requires States to prepare assessment reports
 and management program



and management programs.

It also includes a grant

program to assist in implementing
the approved management program

 CWA 518(e) says that Tribes may be treated in the same manner as a State for purposes of Section 319 if they meet certain conditions.







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CWA 319 TAS



To Start the Process:

- Conference call between Region and Tribal staff; including ORC and Tribal Attorney.
- Discuss content of application, NPS issues, schedule of process; reservation boundaries, etc.
- Review Regional examples/websites
- · Review the new 319 handbook, Part I
- · Review the TAS Strategy, Attachment B
- · Submit draft



















- Federal Recognition (e.g., Federal Register Notice)
- Governing body carrying out substantial governmental duties and powers. This should include:
 - Description of form of tribal government
 - Description of governmental functions currently performed.
 - Description of source of governmental authority, such as tribal constitution, by-laws, etc.

















The CWA 319 TAS Application **CWA 518(e)**



 Function to be exercised by the Tribe pertains to the management and protection of water resources "held by or for the Tribe or otherwise within the borders of an Indian reservation.

 The Tribe is reasonably expected to be capable of carrying out the program.



















The CWA 319 TAS **Application**



- To be eligible (TAS) for the Section 319 Non-Point Source Program, in addition to the criteria as outlined in CWA 518 and 40 CFR 35.633, a Tribe will also need BOTH of the following:
 - 1) Approved Assessment Report (CWA 319(a))
 - 2) Approved Management Program (CWA 319(b))



















CWA 319 TAS Application



Pertaining To Water Resources

- Must show that activities pertain to waters held by or for a Tribe or "otherwise within the borders of an Indian reservation."
- Describe the Reservation and Reservation waters.
- Provide Maps
- "Reservation" includes all lands within the exterior boundaries of federally recognized Indian reservations. Tribes which do not have a reservation with established boundaries can seek TAS for trust lands but the specific facts of your situation should always be discussed with EPA.

















CWA 319 TAS Application



Capability

- Description of previous management experience;
- Description of existing environmental programs being carried out;
- Description of the organization which will be carrying out the program; and
- Description of technical and administrative capabilities of staff which will carry out the program.



















Management Program



 Tribe must have authority to carry out the activities proposed in the Management Plan. Section 319 is not a "delegation" of authority. A Tribe must have sufficient authority to implement each element of the Management Program.

 Management Program must include a certification from the tribal attorney that the Tribe has adequate authority to implement the management program.



















Management Program



 Assessment Report and Management Program should be submitted to EPA "after notice and opportunity for public comment." Section 319(a)(1) and (b)(1).



The Tribe's submittal should demonstrate compliance with this requirement and also include a response to comments.

















NPS Assessment Report



- As per CWA 319(a)
- 4 types of information needed:
 - Waters in need of NPS protection
 - Categories and subcategories of NPS
 - How BMPs will be identified
 - Other programs addressing NPS



















NPS Management Plan



- As per CWA 319(b)
- Identify BMPs and tribal programs
- Schedule
- Certification
- Potential funding sources and programs
- Potential partners
- · Watershed based planning

















EPA Approval



- EPA Review of Application
 - Including 4 Eligibility Requirements
 - Including Attorney certification
 - Including Review of Management Plan and Assessment Report
- Need to update MP and AR every 4-5 years
- Approval needed by 1st Friday in October for funding that FY

















Additional Resources



- EPA's TAS Strategy: Go to <u>www.epa.gov/tribalportal</u> and search for "strategy"
- Handbook for Developing and Managing Tribal Nonpoint Source Pollution Programs Under Section 319 of the Clean Water Act, 2010 On EPA NPS website at: www.epa.gov/owow_keep/NPS/tribal/index.html
- Regional Coordinators and Technical Contacts











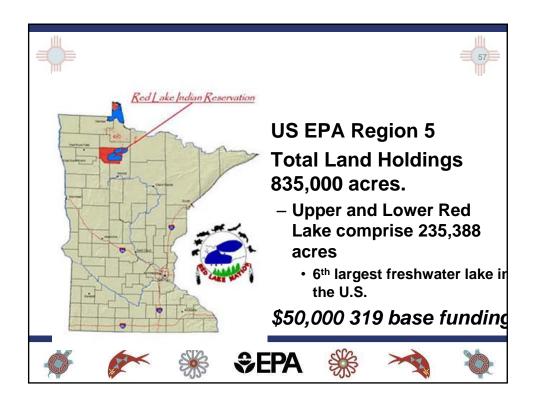




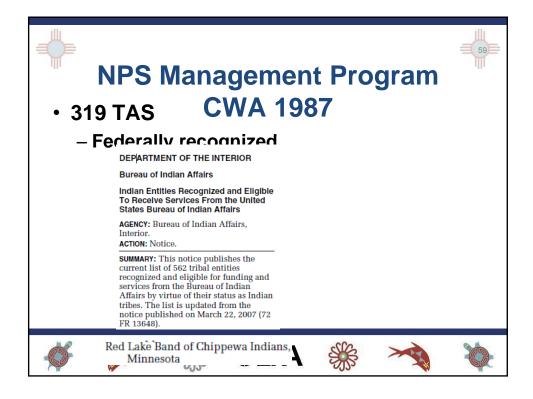


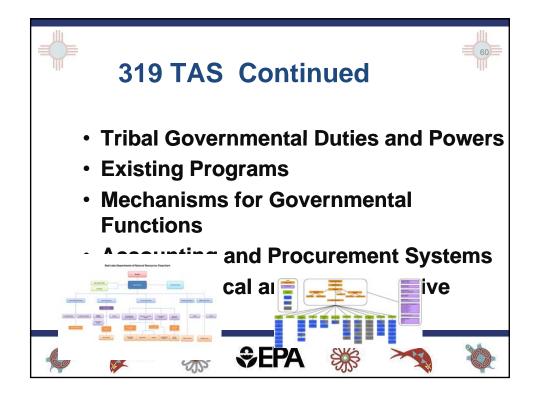












319 TAS Continued



Attachments:

Exhibit A: Red Lake Band Narrative Statement
Exhibit B: Red Lake Band Statement of Authority
Exhibit C: List of federally recognized Tribes

Exhibit D: Tribal Council Resolution supporting application for TAS

Exhibit E: Red Lake Non-point Source Assessment

Exhibit F: Red Lake Non-point Source Management Plan

Exhibit G: Public comment responses
Exhibit H: Map of Red Lake Tribal Lands

Exhibit I: Tribal Constitution







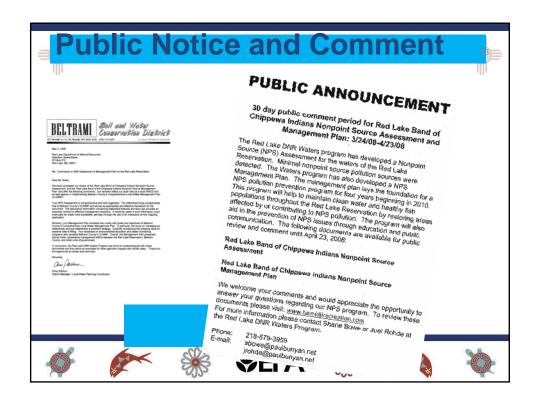


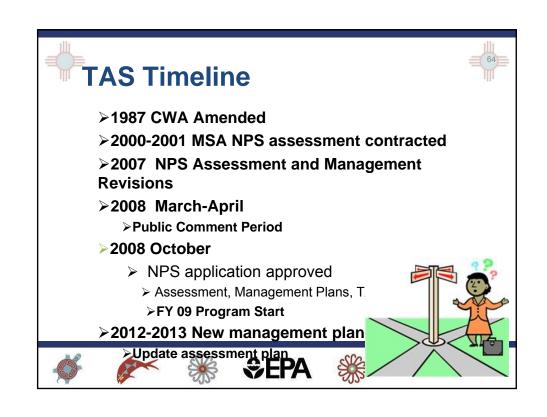


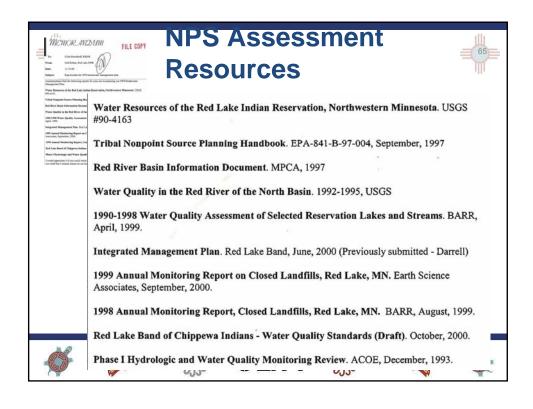
















NPS Program



Conserve, Protect, Enhance Water Quality

- The Red Lake Band of Chippewa Indians NPS
 Assessment Report, NPS Management Plan, and
 application for treatment as a state were approved
 by EPA on October 8, 2008.
- Management and Assessment Plans Amendment Requests



Program Updaces. Pink Website, Educational



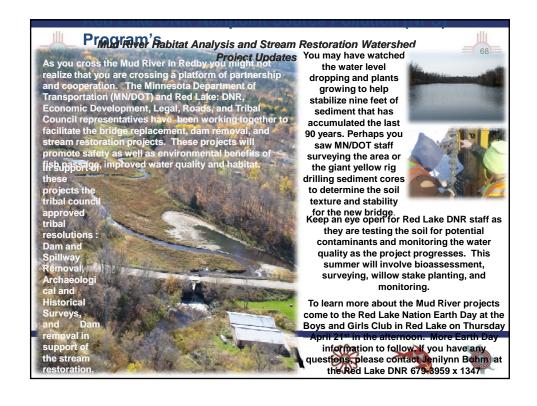


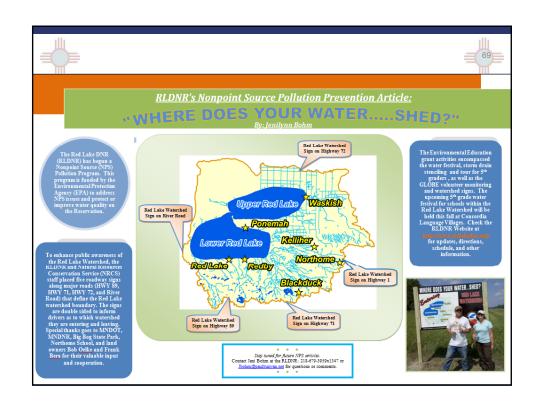


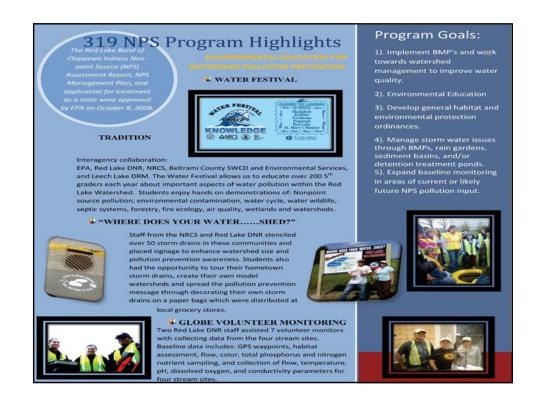














Red Lake's Roadmap











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