WEF NUTRIENT TMDL DEVELOPMENT WORKSHOP

Crowne Plaza Old Town
Alexandria, VA, USA
September 4-5, 2007

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Nutrient TMDLs – Where are we?

Cause of Impairment	# of Impairments	# of Approved TMDLs
Nutrients	5,617	3,102
Oxygen Depletion	4,540	1,375
Causes Unknown – Biological Integrity	2,867	0
Turbidity	2,050	581
Algal Growth	510	65
Ammonia	416	0
Fish Consumption Advisory-Pollutant Unspecified	260	0
Noxious Aquatic Plants	247	21
Taste, Color & Odor	83	5
Harmful Algal Blooms	4	0
Cause Unknown – Biotoxins	4	0
CATEGORY TOTALS	**16,598**	**5,149**
TOTAL IMPAIRMENTS	**63,620**	**24,814**

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Source: http://iaspub.epa.gov/waters/national_rept.control

- EPA has focused greater attention on nutrient-related impairments and the development of numeric nutrient criteria.
- EPA's 1999 "Protocol for Developing Nutrient TMDLs" is available at:

  www.epa.gov/owow/tmdl/nutrient/pdf/nutrient.pdf
- Workshop developed by WEF under a cooperative agreement with the EPA to contribute to the reduction of nutrient levels in impaired waterbodies by building the capacity of State, local, regional, and Tribal officials and third-parties to develop approvable and implementable nutrient TMDLs.

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Agenda – September 4

9:00am - Welcome
9:10am - Pre-Training Exam
9:20am - Problem Identification
9:45am - Identification of Water Quality Indicators and Target Values
10:45am - Networking Break
11:00am - Sources and Surface Water Assessment
12:00pm - Lunch and Moderated Q&A
1:00pm - Linking Targets and Sources
2:45pm - Networking Break
3:00pm - Load Allocations and Margin of Safety
4:30pm - Adjourn

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Agenda – September 5

9:00am - Monitoring Plans
10:00am - TMDL Submission
10:30am - Networking Break
10:45am - Implementation
12:00pm - Implementation Roundtable
12:20pm - Wrap-up
12:25pm - Post-training Exam
12:30pm - Adjourn

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Exams

- Administered pre- and post-workshop
- Anonymous
- Designed to allow WEF to measure and report “environmental outcomes” of the workshop to EPA
- Please take the next 5 minutes to complete the “Pre-Training Exam”

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Third-Party TMDLs

- A third-party TMDL is a TMDL in which an organization or group other than the lead water quality agency takes responsibility for developing the TMDL document and supporting analysis.
- WEF recently released a Tool Kit to educate stakeholders and encourage greater third-party participation in TMDL development.
- Extra copies available from WEF

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