



NEMO Nevada Water Quality Workshop

**Friday, March 9, 2012
8:30 a.m. - 12:00 noon**

This free workshop will be taught live at the **NEW** Washoe County Cooperative Extension Office, 4955 Energy Way, Reno. Energy Way can be accessed from Rock Boulevard, between Mill Street and Longley Lane. Please call 784-4848 if you require further instructions.

Who should attend?

Planning officials and staff, commissioners, decision makers, advisory board members, engineers, developers and interested residents. We constantly revise and update our workshop. If you have attended one of our trainings in the past, you are welcome to attend again or pass this flyer on to other interested parties.

Are you comfortable with your knowledge of water quality issues and laws?

Do you know the right questions to ask during a plan review to protect water quality?

Would you like to increase your knowledge of water quality issues?



Carson River at McTarnahan.

This workshop is for you!

Why attend?

Water in western Nevada is a critical financial, legal, environmental, educational and political issue. Planning to protect water quality saves money and improves our quality of life.

What will I learn?

Learn how the rapid rate of construction in our growing communities can have negative impacts on our natural resources, including water quality and quantity. Learn how to save the community from expensive retrofits and maintenance projects by using appropriate planning to reduce the need to mitigate development impacts.

Water Quality Basics

- ◆ Point source pollution
- ◆ Nonpoint source pollution
- ◆ Types of nonpoint source pollutants and examples of sources
- ◆ Nonpoint source pollutants that can result from various types of land uses



Dirty stormwater runoff.

Urbanization and the Water Cycle

- ◆ The basic water cycle, infiltration, filtration and recharge
- ◆ Concept of a watershed, with local examples
- ◆ Naturally occurring challenges (soils, geomorphology, precipitation patterns)
- ◆ Impervious surfaces
- ◆ Alteration of the water cycle by development

Water Quality Challenges Facing Our Community

- ◆ Safe Drinking Water Act
- ◆ Clean Water Act
- ◆ Beneficial uses
- ◆ Water quality standards
- ◆ Designated waters
- ◆ Total Maximum Daily Loads (TMDLs)
- ◆ Groundwater issues



Snowmelt running off a parking lot, carrying pollutants.

Impacts on Waterways

- ◆ Geomorphology – stream widening and erosion, decreased channel stability
- ◆ Habitat – loss of buffer zones, creation of fish passage barriers, increased algae growth, etc.
- ◆ Water quality

Strategies for Coping With Polluted Runoff

- ◆ Existing local efforts
- ◆ Low impact development (LID)
 - ◆ Benefits
 - ◆ Techniques
 - ◆ Planning strategies



Polluted runoff.

NEMO Nevada Water Quality Workshop Registration Form

This workshop is offered free of charge, thanks to support from Nevada Division of Environmental Protection

Name: _____

Affiliation: _____

Address: _____ City, State, Zip: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Workshop is Friday, March 9, 2012, 8:30 a.m. to 12:00 noon. Please choose a location:

- Live at the NEW University of Nevada Cooperative Extension Office, 4955 Energy Way, Reno
- By videoconferencing at the Carson City Cooperative Extension Office, 2621 Northgate Lane, Carson City
- By videoconferencing at the Douglas County Cooperative Extension Office, 1329 Waterloo Lane, Gardnerville

Please answer the following survey questions:

1. How important is water quality protection in your role as a decision maker (please check the appropriate box)?

- | | |
|-----------------------------------------------|----------------------------------------------|
| <input type="checkbox"/> Not important at all | <input type="checkbox"/> Important |
| <input type="checkbox"/> Slightly important | <input type="checkbox"/> Extremely important |
| <input type="checkbox"/> Somewhat important | <input type="checkbox"/> No opinion |

2. Please help us understand your knowledge of the following land use terms and concepts. Circle the response that best describes your level of understanding.

Land use terms and concepts:	Unfamiliar, never heard of this	I have heard of this	I am familiar with this	I have a moderate understanding of this	I feel I thoroughly understand this
Nonpoint source pollution (NPS)					
Impervious cover					

Registration is due by March 5, 2012. Please mail this form to:
 University of Nevada Cooperative Extension • Attn: Melody Hefner
 4955 Energy Way • Reno, Nevada 89502

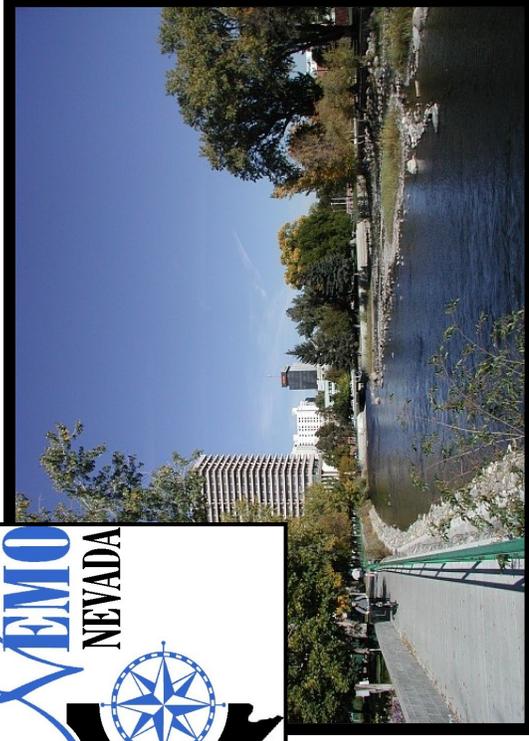
You may also fax this form to Melody Hefner at (775) 784-4881 or email this form to hefnerm@unce.unr.edu.

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Cooperative Extension

Protecting Water Quality Through Community Planning



University of Nevada, Reno
Cooperative Extension
Washoe County Office
UNR-Mail Stop 408
Reno, NV 89557

Return Service Requested

*A free, 3.5 hour workshop sponsored by the
NEMO Nevada Program (Nonpoint Education for
Municipal Officials)*