

*7th Annual DARCA Convention
Pre-Convention Workshop*

Owners' Guide to Dam Safety, Operation, and Maintenance
For Dam Owners/Operators

When: **Wednesday, Feb. 18, 2009**
9 a.m. to 5 p.m.
Where: **Pueblo Convention Center**
320 Central Main St.
Pueblo, Colo.
Cost: **\$100 for DARCA/CWC members;**
\$200 for non-members

If you are registered for the 2009 Convention, please subtract \$25 from the workshop price.

Owners' Guide to Dam Safety, Operation, and Maintenance is the pre-convention workshop before the 7th Annual Ditch and Reservoir Alliance Convention in Pueblo, Colorado, February 19-20, 2009. The convention will focus on alternatives to buy and dry arrangements for ditch and reservoir companies.

This pre-convention workshop will identify the importance of dam maintenance and monitoring by briefly discussing past dam failures in Colorado and the USA.

This class will discuss often neglected maintenance items that can often lead to costly repairs as well as new maintenance concerns such as the zebra mussel. Standard dam monitoring equipment items such as toe drains, monuments, and piezometers will be discussed in regards to their maintenance and the importance of proper record keeping. The course will explain the State Engineers Office role in the permitting process for new dams and modifications/repairs to existing dams, annual inspections, and overall dam safety. Learn what to expect during a typical dam safety inspection and what the consequences of a fill restriction can be as well as what can be done regarding dam security. We will also briefly touch on the requirements and content of emergency action plans and crisis management.

Learn how to proceed with the enlargement/rehabilitation of an existing dam and what some of the typical barriers are to these types of projects such as threatened and endangered species, Clean Water Act regulations and wetlands/fens. Learn what will be required for submittal to the State Engineers Office to obtain a permit and what funding sources and help may be available of these types of projects.

Lastly we will discuss other liability issues related to operating a reservoir such as the pros and cons of reservoir leases, insurance, and how encroachment and development can affect a reservoir.

DARCA board member Craig Ullmann with Applegate Group Inc. will moderate the course and lead some of the discussion topics. Other presenters will include a member of the Dam Safety branch of the State Engineers Office, and various other professionals.

DARCA's pre-convention workshop is sponsored by: Applegate Group Inc., Hix Insurance Associates, Inc. and the Lower Arkansas Valley Water Conservancy District.

