

Montana Association of Dam and Canal Systems

MADCS

Issue 2/3

July 2007

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MADCS Officers:

- **President - Larry Draper**
Fred Burr WUA
(406) 961-1490
madcs1@gmail.com
- **Vice President - Chuck Thomas**
Ackley Lake WUA
tsprgs@ttc-com.net
- **Treasurer - Vernon Stokes**
Pondera Canal & Reservoir Company
pccrc@tetonwireless.net

MADCS Board of Directors:

- **Vicki Baker - Teton Coop. Reservoir Co.**
- **Dan Doornbos - Ruby River Water Users Association**
- **Robert T. Goffena - Deadmans Basin WUA**

Message from the President

The Board of Directors has decided to hold the third annual workshop and fieldtrip on October 10 & 11th, 2007. We hope you can join us! More info to come.

During the past few months MADCS has adopted our By-laws and Articles of Incorporation. We also have established a memorandum of understanding with the DNRC on the use of federal funds that help support our organization. These items will help guide us into the future.

Membership is the key to the success of any organization and we would like to establish a formal structure. This means putting together a roster and establishing a minimal fee to cover some costs. It is my hope that the members will benefit many times over the cost of the fee. There is a fee schedule with this newsletter. Note that if you register for the workshop your membership fee is paid automatically!

We are looking forward to bigger and better opportunities to expand our information highway and membership. Anyone interested in getting involved is encouraged to contact me at P.O. Box 958 Victor MT. 406-961-1490 or e-mail madcs1@gmail.com.

Looking forward to hearing from you and seeing you at the Workshop.

3rd Annual MADCS Workshop

October 10, 2007
(Afternoon)

Field Trip to Toston Dam and
Broadwater Canal
Broadwater County

October 11, 2007

9:00 a.m. - 4:15 p.m.
Workshop at the Red Lion
Hotel. Helena, Montana

Workshop Topics

- Development below dams- Problems for dam owners
- Rodent & vegetation control
- Trials & tribulations of building a WPA dam (an entertaining history lesson)
- Early warning systems
- Canal bridges & culverts
- Hands on problem solving
- Technology advances for dams and canals
- State owned dam issues
- Vendor booths, Information, Great Food and Much More!

More info to come in August!

MADCS Membership

What are the Benefits of Being a Member of the MADCS?

- Biannual Newsletters
- Networking & Information Sharing
- Product Information
- Legislative Advocacy
- **Free attendance to annual workshop and fieldtrip** where we discuss & learn about issues, problems and solutions with peers. Vendors join us to discuss & display their products and services.

Membership applications will be available at the next workshop in October 2007

MEMBERSHIP TYPE	VOTING RIGHTS?	COMMENTS	FEE
Individual Dam / Canal Owners or Operators	Yes	<i>Includes attendance to field trip and workshop</i>	\$25
Association Dam / Canal Owners or Operators	Yes (for 3)	Includes county and city governments. <i>Includes attendance for 3 to field trip and workshop.</i>	\$75 for 3 members. \$25 for each additional member. workshop attendance for 1 and voting right
Affiliate	No	Includes engineers, vendors, state and federal employees (even if they represent state and federally owned dams) <i>Includes attendance to field trip and workshop</i>	\$35
Sustaining Affiliate	No	Includes booth at annual workshop and attendance for 3 at workshop	\$300

Help Wanted

Volunteers are needed for the following:

- **Board members**
- **State owned dams & canals focus group:** we would like to get representatives from water users associations who operate state owned dams and canals together at the next workshop to discuss common issues and concerns
- **Newsletter article writers** - Do you have information on a project or product you would like to share?
- **Letter writers** to let our representatives in congress know our position on important legislation

MADCS is looking for people interested in helping the progression and continuation of this organization! Please contact Larry Draper at madcs1@gmail.com or (406) 961-1490 if you are interested in helping.

Vendor Profiles

B.A. Fischer Sales Co. Inc - Canal Liners and Canal Gates

B. A. Fischer Sales Company, Inc. (BAFSCO) is the Northwest distributor for Carlisle's EPDM Geomembrane. Carlisle's EPDM Geomembrane rubber (ethylene propylene diene terpolymer) is a stable inert material well suited for lining canals and ponds.

Located in Boise, Idaho, BAFSCO is a third generation owned company and has been doing business since 1977. BAFSCO has extensive experience in lining projects all over the Northwest, including inlet and outlet irrigation canals as well as large storage ponds for the ranch or golf course. The Deadman's Basin outlet canal and a lining project on the Delphia-Melstone canal are examples of a couple of their projects in Montana.

Carlisle SynTec developed the single ply rubber liner over 40 years ago and stands as the industry leader today. Carlisle's EPDM Geomembrane is manufactured to strict tolerances and is the only EPDM liner safe for fish as well as humans. EPDM Geomembrane has outstanding resistance to ultraviolet radiation, ozone and weathering, and remains flexible in temperatures from -45°F to 180°F. Due to its high flexibility and elongation Carlisle's EPDM Geomembrane easily installs over a variety of substrates and resists punctures better than other lining materials of similar cost. Installation is extremely easy with EPDM Geomembrane available in a variety of roll widths and lengths and seaming is done in the field with no special tools required. If field repairs are needed then this same process can be used even after many years of exposed application. EPDM Geomembranes do not need to be covered because they contain no plasticizers that can migrate and lead to premature aging and cracking.

BAFSCO is also the Northwest distributor for A•M Canal Gates. Standard features on every A•M Canal Gate include high strength ductile iron castings, 1/4" galvanized steel frA•Me rails, stainless steel stems and assembly bolts. A•M Canal Gates incorporate the double bolt wedge design, providing adjustability and extra strength. The A•M Canal Gates are interchangeable with the Waterman C-10 style gate and all A•M Canal Gates feature a full five-year warranty.

For more information on our company visit our web site at www.bafesco.com. For a quotation on a lining project or A•M Canal Gates give us a call at 888-375-1411.

JT Water Management, LLC - Canal Sealant

Canal Seal Application to a Dry Canal
by JT Water Management



JT Water Management, LLC of Parker, Colorado offers a revolutionary concept in sealing irrigation canals. Canal Seal is a liquid PAM product that is formulated to be applied directly to the irrigation canal without requiring any mixing prior to application. Field tests and reports from satisfied customers show consistent results, and indicates Canal Seal usually seals 80 - 95% of the leak when used according to directions. Canal Seal flocculates suspended soil particles

Montana Canal after Canal Seal Application
by JT Water Management

in the water stream and one application just prior to water turn on will last the entire year at a fraction of the cost of other liner options. JT Water Management, LLC has teamed up with Ben Taylor Inc. out of Shelby, MT to offer the product and application services. For more information please contact Joel Stokes at Ben Taylor, Inc. (406-279-3365).

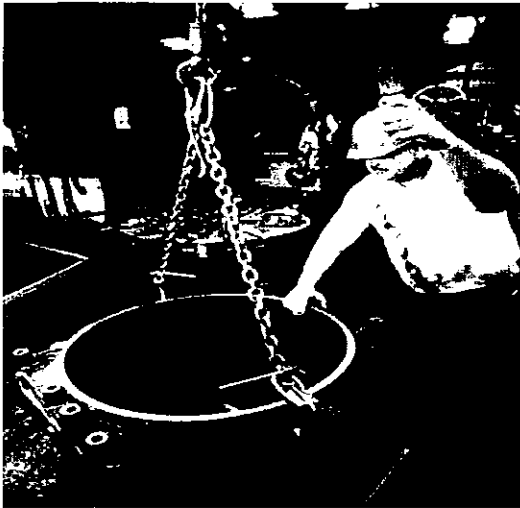


323-1495
Bob

Vendor Profiles

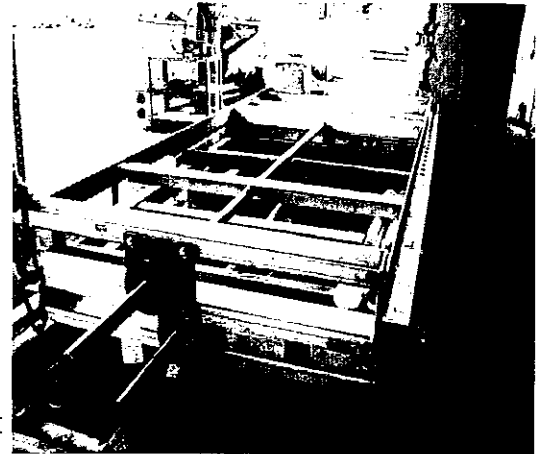
Waterman Industries - Water Control Equipment

Waterman Industries ~ a manufacturer based in Exeter, California ~ builds a full range of water-control equipment for use in municipal projects and agricultural projects. The high quality flow-control gates installed in projects from enormous waste-water treatment plants to amusement park water rides have led to a 25% revenue growth over the past year for Waterman. The company was founded in 1912 as a maker of irrigation equipment, and over the next 90 years expanded to



Claude Gahart mills a canal gate face at Waterman Industries. Photo by Christian Parley / The Fresno Bee

become a major player in that field, as well as in the making of water-control equipment such as specialized, massive metal sluice gates that control water flows.



Waterman was bought by Denver-based private equity group Galena National Investment in late 2005 after filing for Chapter 11 in 2004. Since then, the company has been aggressively developing client relationships nationwide. "We've aggressively pursued bringing in talented new managers from outside companies, incorporating best practices and upgraded technologies, while blending that with a group of seasoned professionals from Waterman's past," said chief executive Rob Pokelwaldt.

Waterman shipped earlier this year a set of large slide gates for the Pondera County Canal and Reservoir in Valier, MT. In the last 12 months, Waterman shipped various gates and products to the Bureau of Indian Affairs in St. Ignatius, contractors and customers in Bozeman, Miles City, Scobey and Malta.

2M Company, Inc. - Water Well, Irrigation & Other Water Related Products

2M Company, Inc. is a wholesale supplier of turf, landscaping, water well, irrigation, and other water-related products, that started operations in May of 1978 and has provided it's customers with "Legendary Service" ever since. Located throughout the Rocky Mountains, there are 9 locations from Montana to New Mexico with hundreds of collective years experience in all aspects related to the water conveyance industry. For more information on 2M Company, Inc. please contact Tom Tompkins at (406) 549-4427.

MADCS would also like to recognize the following vendors:

AMCI

Bruce Bacon
17301 W. Colfax Ave
Suite 400
Golden, Colorado
(303) 279-2002

DYNOTEK

Jim Butler
675 Reed Street
Lakewood, Colorado
(303) 234-1409

FIRESTONE

William Johnson
310 East 96th Street
Indianapolis, Indiana
(317) 575-7252

ROSCOE STEEL AND CULVERT

Cory Claussen
5405 Momont Road
Missoula, Montana
(406) 370-2548

Highlights of Water Related legislation - 2007 Montana Legislature

HB 473 – Adjudication Water Fee

This bill is the funding bill for the adjudication program. Key provisions are: the elimination of the water rights fee, a one time \$25 million transfer to the water adjudication account (fully funding the next 15 years of the program), no rebate, and collection of the original fee or resolution of appeals is still required.

HB 20, 39, 87, 365, and 370 – Water Rights

This set of bills represents some important improvements to water right laws clarifying some issues and giving needed flexibility in other areas. The most significant is HB 39 which provides for an automated transfer of water rights upon the sale of property based on changes to the Department of Revenues database. HB 20 allows statewide application of the law providing for payment of attorney fees to water right owners successful in obtaining injunctions against illegal water use.

HB 831 – Surface/Ground water

Surface water / ground water legislation was one of the big wrangles of the session. Since in the Smith River Case, DNRC was required to stop accepting permits for new appropriations in closed basins. This has pushed development towards exempt wells and away from central public water supplies. HB 831 allows groundwater to be permitted in closed basins. To mitigate adverse affect, if necessary, applicants can use a variety of technical solutions to reduce net depletions to surface waters. The bill categorizes these approaches as “aquifer storage and recovery” and surface water “mitigation.” The bill became effective May 3, 2007. Also, the bill provides funding to the Montana Bureau of Mines and Geology to conduct case studies documenting the effects of groundwater development on surface waters in closed basins.

HB 304 – Water Policy Committee

HB 304 created an interim committee of the Legislature on Water Policy. This will provide opportunity to educate standing Legislators on water issues and potentially lead towards improvements in statutes guiding water rights and water management.

~~HB 104 - Exempt Wells~~

HB 104 would have kept the flow rate for an exempt well at 35 gpm but limited volume to 1 acre-foot. The bill was tabled. The underlying issue of exempt wells impacts on senior water rights remains and will be addressed by the interim water policy study committee.

Dam Rehabilitation and Repair Act of 2007

The Dam Rehabilitation and Repair Act of 2007 (H.R. 1098) was introduced in the U.S. House of Representatives by Reps. John Salazar (D-CO) and Randy Kuhl (R-NY) on February 15, 2007 and currently has 21 cosponsors.

The Dam Rehabilitation and Repair Act would provide up to \$200 million over five years to address deficiencies in the nation's publicly owned non-federal dams. Major features of the bill include:

- Establishment of a program within the Federal Emergency Management Agency to fund dam rehabilitation and repairs.
- Enactment of a public fund to award grants for assistance to repair unsafe dams that are publicly-owned (state and local dams).
- Authorization of appropriation levels that will help rehabilitate publicly owned non-federal deficient dams.

MADCS estimated that if this bill passes Montana will receive a total of \$ 3,100,000 over the next five years for dam rehabilitation costs. MADCS has been in contact with our congressmen and is working to support federal funding for dam rehabilitation.

500 copies of this public document were published at an estimated cost of \$0.79 per copy, for a total cost of \$395.00, which includes \$240.00 for printing and \$155.00 for distribution.

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MONTANA ASSOCIATION OF DAM
AND CANAL SYSTEMS

MADCS

Legislature funds 56 Water Projects

The 60th legislative session provided a total of 5.5 million dollars to the DNRC Conservation and Resource Development Division (CARDD) for renewable resource grants and loans, funding a total of 56 projects throughout Montana. Funded projects include dam and canal rehabilitations, municipal water system improvements, erosion control, riparian enhancement and water supply studies.

Water related projects that received \$100,000 grants include:

Green Mountain Conservation District Crow Creek Restoration
Petrolia Irrigation District Rehabilitation Project
Fort Peck Tribe D-4 Drain Water Conservation Improvements
Ackley Lake Dam Rehabilitation
Hill County – Beaver Creek Dam Seepage Control Berm
Fergus County Conservation District Upper and Lower Carter Pond Dam Reconstruction
Malta Irrigation District - Dodson North Canal Regulating Reservoir
East Bench Irrigation District Canal Lining
Milk River Irrigation Project – Saint Mary Canal Drop 3 Plunge Pool Concrete Repair
Stoney Water Users Irrigation District – Increasing Irrigation Efficiency Phase 2
Hysham Irrigation District Infrastructure Improvement
Montana State University – Channel Response Assessment for the Upper Blackfoot
Beaverhead County – Blacktail Deer Creek Flood Mitigation Project
Greenfields Irrigation District – Muddy Creek Wastewater and Erosion Reduction Project
North Valley Water and Sewer District Water System Improvements

Special low interest loans were also provided:

Ackley Lake Dam Rehabilitation - \$200,000
Smith Creek Canal Seepage Abatement and Rehabilitation Project - \$50,000
Sunset Irrigation District – Gravity Flow Irrigation Pipelines - \$1,465,266
East Fork Siphon Replacement and Main Canal Lining Project - \$400,000

A complete list of funded projects is provided in the final versions of House Bill 8 and 6. These can be viewed on the Montana Legislative Services Division website at [http://laws.leg.mt.gov/pls/laws07/law0203w\\$.startup](http://laws.leg.mt.gov/pls/laws07/law0203w$.startup) For information on the CARDD grant and loan program contact: Bob Fischer at 406-444-6668 or email: rfischer@mt.gov