

Natural Resource Section Bulletin

July 2011 Edition

The Heat is on!

Field season is underway so it is important to think about sun safety while you are working outside. Here are some tips from the Occupational Safety and Health Administration:

- Wear appropriate clothing. Employees should wear light, loose-fitting clothing. To avoid harmful ultraviolet (UV) rays, wear long pants and long-sleeved shirts. Wear a hat with a wide brim (not a baseball cap) to protect your neck, ears, eyes, forehead, nose and scalp.
- Apply plenty of sunscreen; an SPF of at least 15 blocks 93 percent of UV rays.
- Take breaks. Drink small amounts of water frequently rather than a lot all at once.
- Watch for signs of heat stroke and heat exhaustion. Some warning signs are headaches, lightheadedness, confusion, irrational behavior, loss of consciousness, abnormally high body temperature and hot, dry skin.
- Eat smaller meals before work activity.
- Avoid caffeine and alcohol or large amounts of sugar.
- Find out from your health care provider if your medications do not mix well with sun exposure and heat.

New Product Demonstration Day Hosted with IECA

CDOT EPB hosted the inaugural "New Product Demonstration Day" at the CDOT BMP Academy. The event was well attended, with nearly one hundred erosion and sediment control professionals present throughout the day on June 17th. The facility enabled safe and informative product applications by experts in the field. The event was well received by the chapter members and CDOT and we wish to continue the event in the future.



New Colorado Butterfly Plant Population Discovered

Jeff Peterson, Alison Michael, and a USFWS representative confirmed a new population of the threatened Colorado butterfly plant near I-25 and Clear Creek. This is only known population in the entire Clear Creek drainage!

EPA NPDES Construction Stormwater Permit Comments

Comments to the EPA's NPDES Construction Stormwater Permit rewrite was submitted early this month through the efforts of Amber Law, Rick Willard and numerous individuals throughout the regions.

The submittal can be found on the Water Quality SharePoint site at:

[EPA NPDES Comments](#)

Avalanche Control Brown Bag

Thursday, July 28th 12-1 in Shumate Building Mt Evans

Pack a lunch and sit in on Jim Walker's presentation about CDOT's Avalanche Control Program.

Suffer from Glossophobia?
(The fear of public speaking)

TOASTMASTERS CAN HELP!!!

Come to a Road to Success Meeting Wednesdays 12pm-12:55pm

Check out our website for meeting locations:
<http://roadtosuccess.freetoasthost.info/>



HEARTSMART INC.

Two CPR/AED/First Aid certification courses have been set up for the EPB staff with Heartsmart Inc:

Wednesday August 3rd 8-4 in HQ Room 225

Tuesday August 16th 8-4 in Shumate Mt Evans

Please contact Giovanna Toppi with any questions.

Need summer work boots?

The Lehigh SHOEMOBILE will be here on July 25th.



Formerly Lehigh Safety Shoes

LEHIGH SHOEMOBILE WILL BE HERE!

LEHIGHOUTFITTERS.COM
CLEAR FOR WORK AND WEEKENDS

Date: July 25th, 2011

Time: 9:00am and 3:00pm

Place: CDOT

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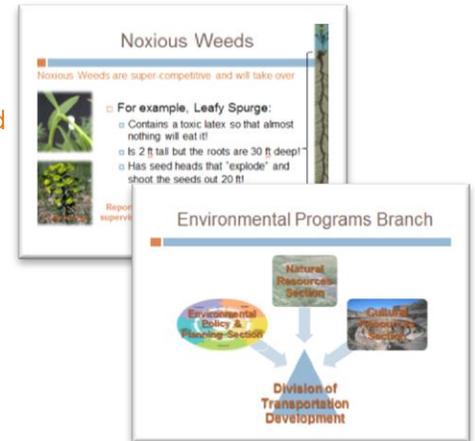
Applied Water Quality Training Course

Tripp Minges, with the assistance of the rest of the Water Quality staff, has developed a new training course for the Maintenance TM2s, TMs and LC Ops. The training is hands-on and allows the participants to work through real-world situations. The trainings take place at Camp George West where two sites have been designed – an active construction site and Maintenance Facility. The participants have the opportunity to inspect these two sites and by using digital cameras take pictures of their “findings” which are discussed later amongst the class. The course takes place on Tuesdays from 7:30-11:20 now until next May.



Maintenance New-Hire Training

Thanks to the help of the EPB staff, a new training for the maintenance new-hires has been developed. We have been invited to continue to put on this training and instead of one hour, now have four! The class will consist of a PowerPoint presentation to start and much like the Applied Water Quality course, the participants will have the opportunity to put what they just learned to the test outside at Camp George West with everyday situations.



Current ESCAN Initiatives

A proposed scope of work has been prepared for ESCAN related activity for the next three years. Some of the highlights of that scope are:

1. Maintaining and improving as required, the existing field data acquisition and reporting web centric applications

The most recent revision of the ESCAN application included a major change in content and function. Experience has shown that while during planning every possible scenario and issue was thought to be considered, situations still arise that require minor adjustment and/or enhancement to the applications. As the end users (Region Water Pollution Control Managers & Project Engineers) become more skilled with the applications it is anticipated that additional modifications will be recommended. During each quarterly water quality meeting, suggestions will be solicited and if broadly supported the requested modifications will be made.

2. Development of additional web centric applications to accommodate other uses

As awareness of the capabilities of the software and applications it runs has increased, other potential uses have been discussed to increase the efficiency of data acquisition and reporting efforts in other EPB programs. The initial phase of that effort will include interviews with EPB, DTD and Regional Specialists and Program Leads to determine common data management needs and reporting requirements. Once identified, a list of potential applications will be developed and prioritized by consensus with the top two moving forward to development and production.

3. Development technical support and maintenance for the Environmental Programs Branch dedicated virtual server

During past development and implementation of ESCAN and CARL attempts have been made to migrate the applications and associated database into CDOT servers. The primary challenge was that CDOT used load balancing servers and the ESCAN and CARL software was not developed to accommodate that environment. OIT has recently agreed to host ESCAN on a CDOT (OIT) virtual server with the understanding that technical support and maintenance would be provided by ThreePoints Consulting, Inc. The first step is to run and test the applications in a development environment server and depending on the outcome of that testing, the applications will then be moved to either a production virtual server (preferred) or if necessary and production stand-alone server for further testing.

4. Integration of ESCAN and CARL database with SAP for query reporting
The value of cross utilization of the information residing in the database beyond what it was originally intended has been recognized by a variety of potential users within CDOT. To facilitate access to the data, pulling some data into SAP for reporting has been discussed and found to be feasible. Coordination will begin with the objective of creating a seamless data transfer into SAP.