

## WATER QUALITY PROGRAM UPDATE



Science Fair Participants



GESC Controls at a site

## Water Quality Program 2008 Activities

- ❖ MS4 Permit
  - ❖ Education & Outreach
  - ❖ Illicit Discharge detection
  - ❖ Curbside Recycling Program
  - ❖ Grading, Erosion and Sediment Control
  - ❖ Permanent WQ BMPs
  - ❖ Municipal Operations
  - ❖ 2009 Program
- ❖ Status of Special District IIGAs and County MOU
- ❖ Special District Property Transfer
- ❖ Coordination with Cherry Creek Basin Water Quality Authority

## Permit Update - Education

- ❖ Over 20 educational outreach events in 2008, including SPLASH (Stormwater Permittees for Local Awareness of Stream Health) sponsored events and Cherry Creek Stewardship Partners EdKit activities that SEMSWA sponsors:
  - ❖ Raptor Walk @ Cottonwood Creek
  - ❖ Volunteer Clean up and Planting Efforts @ Eco Park, 17-Mile House Park, Cottonwood Creek and Cherry Creek State Park
  - ❖ Western Welcome Week Booth
  - ❖ World Monitoring Day
  - ❖ Lake Appreciation Day
  - ❖ WEED Network Meetings
  - ❖ Run for the Watershed
  - ❖ Science Fairs
  - ❖ Biology Teacher Workshop
  - ❖ Annual Conference
- ❖ Eagle Scout projects: Inlet labeling, check structure installation
- ❖ Advertising: monthly ads in CO Community Newspapers

## Partners EdKit Activities



Science Fair Judging



Boy Scout Planting Day



Biology Teachers Workshop



Eco Assessment sampling @ CC



Weed Removal Volunteer Day

## SPLASH/SEMSWA/Partner Events



Lake Appreciation Day



Western Welcome Week Booth



World Monitoring Day



Annual Eco Park Assessment

## Eagle Scout Projects



4-Sq Mile Inlet Labeling



Shop Creek Check Structure Installation



## Cherry Creek Annual Conference



SPLASH Poster Exhibit



SEMSWA Maintenance Program Poster Exhibit

## CO Community Newspaper Ads



**Don't duck your responsibilities.**

Good thing this is only a rubber duck. When you don't dispose of your trash properly, the harm is very real. Trash in our watersheds looks ugly, is harmful to fish and wildlife and damages the natural environment. Your rivers, creeks and lakes depend on you. Make a difference close to home and contact your local agency to find out how you can get out and clean up your creeks.

Local stormwater agencies, including participants of the Douglas County Stormwater Group, SPLASH and SEMSWA, are teaming together to bring you this message. We take this so seriously that we posted this ad rather than send you more garbage in the mail. Together, with your help, we can make a difference in keeping our watersheds clean. Look for this ad in coming months for more ways you can get involved.

THIS MESSAGE BROUGHT TO YOU BY

Cascade Pines Metropolitan District 303.688.8300 www.cpmid.org	Douglas County 303.688.8181 www.douglascountypublicworks/stormwater	Lincoln Park Metro District 303.778.6262	Town of Castle Rock 720.735.2255 www.CRgov.com/Utilities
Cascade Pines North Metro District 303.688.8500 www.cpnmd.org	Douglas County School District 303.387.2027 www.dcsd.k12.co	Southeast Metro Stormwater Authority 303.858.8664 www.semswa.org	Town of Parker 303.840.9646 www.parkertown.org
Cherry Creek Watership Partners 303.343.1675 www.cherry-creek.org	Heritage Hills Metro District 303.782.7357 www.hillscreekdistrict.org	SPLASH 303.987.2244 www.splashco.org	
City of Lone Tree 303.682.8112 www.cityoflonetree.com	Highlands Ranch Metro District 303.791.0600 www.hrvd.com	Stonewater Village Metro District 303.858.9909 www.svmd.org	

**Please report accidental and illegal dumping to your local agency.**

Garbage is harmful to wildlife and ruins the landscape. Animals and aquatic life may be strangled, poisoned or become trapped when in contact with litter. No ducks were harmed in the making of this ad.

**MAKE A DIFFERENCE IN YOUR COMMUNITY AT THESE LOCAL EVENTS**

May 3, 2008, 9 to 11:30 a.m. – Spring Up the Creek Day at Federal Park in downtown Castle Rock! Contact the Utilities Department, 720.735.6011.

May 17, 2008 – Lone Tree Stream Cleanup! Contact the Lone Tree, 303.662.8112.

May 10, 2008, 11 to 4:00 p.m. – 12th Annual Castle Rock Rotary Dolly & Street Fest! Second and Perry Street.

Colorado Community Newspapers signs: Please recycle this newspaper responsibly and partner with our communities for a better tomorrow.

## Permit Update - IDDE

- ❖ 47 IDDE incidents investigated
  - ❖ Typical incident: swimming pool discharge, fertilizer, dirt piles, oil
  - ❖ Of those 47, 9 were illicit discharges (potential for discharge to pipe, pond, waterway) of concrete washout, power washing O/G, paving oil, sanitary sewer overflow, antifreeze and sediment discharges; worked with Code Enforcement on follow-up
  - ❖ 1 Cleanup Order issued by Code Enforcement; 1 cleanup by SEMSWA Maintenance Crew
  - ❖ Educational materials sent out to 20 of these
- ❖ 123 letters sent re Grass Clipping disposal (Big Dry)
- ❖ Prepared an SOP for coordinating County and City citizen inquiries so every one on same page re IDDE
- ❖ Revised IDDE Manual, updated with new coordination procedures for handling IDDE reporting
- ❖ 2009 Program: Same as 2008 program



Restaurant Grease



Dry Cleaner SS overflow



Power washing @ Detail Shop

## Curbside HHW Collections

- ❖ Curbside statistics show that curbside pickup collects more wastes than roundups
- ❖ Curbside marketing group working on brief summary of HHW collection statistics in Colorado and nationwide to assist in our planning of future HHW activities
- ❖ 2009 Program
  - ❖ We will be working with Curbside in the August timeframe regarding stepping up the program in 2010 to include additional education and outreach, an HOA round-up event and additional collection activities, and incorporate into 2010 budget



## Permit Update – Construction Controls (GESC Program)

- ❖ 58 GESC permits issued in 2008
- ❖ Status of Plan of Action for State Screenings
  - ❖ Met with State November 24<sup>th</sup>
  - ❖ Office review of files completed
  - ❖ Field inspections of 8 sites completed
  - ❖ Debriefing with inspectors completed
  - ❖ Performance evaluations week of December 15<sup>th</sup>
  - ❖ Training scheduled for December 22<sup>nd</sup>
  - ❖ Second set of inspections December 23<sup>rd</sup>
  - ❖ Final Report from consultant January 12<sup>th</sup>
  - ❖ Meeting with the State to discuss final report and recommendations end of January
- ❖ 2009 Program
  - ❖ Same as for 2008
  - ❖ Start process to revise GESC Manual (5<sup>th</sup> year of GESC Manual implementation)



## Permit Update – Post-Construction Controls (WQ BMP)

- ❖ 13 Public Improvement Permits (Permanent WQ BMPs) issued in 2008
- ❖ Permanent BMPs inspected annually (represent WQ BMPs constructed since 2001 in CC Basin and since 2006 elsewhere, primarily Extended Detention, Sand Filter basins and Grass/Buffers/Swales)
- ❖ Letters sent out to owners regarding the Annual Inspection of their WQ BMP with request for maintenance
- ❖ 2009 Program
  - ❖ SOP for follow through by SEMSWA on Annual Inspection Letters



## Permit Update – Municipal Operations

- ❖ Additional SOPs being prepared for Special Districts, including well site maintenance and well discharge/blow-off activities
- ❖ RCP for Centennial Public Works Facility in review with the City
- ❖ Training
  - ❖ City staff training, 1<sup>st</sup> quarter 2009
  - ❖ City Public Works staff: ongoing 2009
  - ❖ ECCV operations staff training, 1<sup>st</sup> quarter 2009
  - ❖ ACWWA operations staff training December 17<sup>th</sup>
- ❖ 2009 Program
  - ❖ Additional training on SOPs



## 2009 MS4 Permit Program

- ❖ General Permit Plans for 2009
  - ❖ Self audit in 1<sup>st</sup> or 2<sup>nd</sup> quarter 2009
- ❖ Specific Plans:
  - ❖ Additional Curbside HHW recycling activities
  - ❖ Revise/Clarify GESC Manual
  - ❖ Additional SOPs and training



## Status of Special District IIGA's and County MOU

- ❖ Inverness IIGA
  - ❖ IIGA is in final review; At the December 10<sup>th</sup> Inverness Board Meeting, the Board authorized Mulhern MRE to proceed with finalizing the IIGA before their next Board meeting in mid-March
  - ❖ SEMSWA Attorney will be sending revised Final Draft IIGA to Mulhern MRE end of December
- ❖ ACWWA IIGA
  - ❖ SEMSWA staff will obtain a copy of ACCWA's version of the IIGA and begin the review process
  - ❖ No specific timetable for Final IIGA at this time
- ❖ County MOU
  - ❖ Discussions continue on process and content

## Special District Property Transfer

- ❖ East Cherry Creek Valley
  - ❖ Map prepared of District property SEMSWA will be taking responsibility for; next step is to field check properties and note any issues; then request a formal accounting of property status for each property (Property Transfer Form) and provide to SEMSWA Attorney to finalize transfer process
- ❖ Inverness Water and Sanitation District
  - ❖ Will be conducting same process as above in 2009
- ❖ Arapahoe County Water and Wastewater Authority
  - ❖ Will wait until IIGA is finalized
- ❖ Centennial
  - ❖ 3 types being worked with: 1) Fee simple properties in process of being transferred from the County to City; 2) Fee simple properties since City formed; 3) drainage-related easements: Steady progress, respective attorneys involved
- ❖ Arapahoe County
  - ❖ Not applicable



## Coordination with CC Basin Water Quality Authority

- ❖ \$\$ for stream stabilization projects in 2009
  - ❖ \$338,000 for Cottonwood @ Easter stream stabilization
  - ❖ \$59,000 for Cherry Creek stream stabilization @ Eco Park
  - ❖ \$56,000 for Cherry Creek stream stabilization @ Vermillion Creek
- ❖ Possible \$\$ for Detention Pond retrofits and upgrading Permanent WQ Ponds in 2010 and beyond
- ❖ Work with Mike on projects to be submitted for funds in 2010 and beyond



Aeration System startup at Reservoir

Plan "B" if compressor did not start