

Water Quality Program Update – December 2009



Curbside-assisted Battery Collection



Xcel Utility Project under Annual GESC Permit

Water Quality Program Activities

- ❖ MS4 Permit Programs
 - ❖ Education & Outreach
 - ❖ Program Highlights
 - ❖ Medicine Take-Back
 - ❖ CC Stewardship Partners Award
 - ❖ Illicit Discharge Detection
 - ❖ Grading, Erosion and Sediment Control
 - ❖ Permanent WQ BMPs
 - ❖ Municipal Operations
 - ❖ 2008 Report on Urban Stormwater Management
 - ❖ EPA New Rule for Post-Construction Runoff
 - ❖ Information Collection Request (ICR)
 - ❖ GESC Permitted sites Spreadsheet

Permit Update - Education

- ❖ Several educational outreach events completed since July 2009:
 - ❖ Arapahoe County Fair booth
 - ❖ Cherry Creek State Park Eco-adventure with AXL Academy
 - ❖ Indian Ridge Elementary School Battery Collection
 - ❖ Wynetka Pond Park Ecology Day booth (Littleton – SPLASH)
 - ❖ Cherry Creek 'Race for the Watershed'
 - ❖ World Monitoring Day
 - ❖ Stewardship Partners Annual Conference



Biology Teacher Training @ West Cherry Creek



Poster Session @ Annual Conference

Education and Outreach Highlights

- ❖ Launched the new "Medication Take-Back Pilot Project":
 - ❖ A network of secure boxes for the collection of unused and unwanted household medications - eight on the Front Range and two in Summit County.



"Flushing medications down the toilet or throwing them in the trash can cause pollution of lakes, streams and water supplies. The project contractor, Curbside Inc., will dispose of collected medications by hazardous waste incineration, offering the highest degree of environmental protection."

- ❖ Recognition from the Cherry Creek Stewardship Partners at their Annual Conference with their "Education and Outreach" Stewardship Award



Permit Update - IDDE

❖ 70 IDDE incidents investigated so far in 2009



Cherry Knolls Shopping Center

- ❖ 15 Written Notifications
- ❖ 37 Verbal Notifications
- ❖ 2 Cleanup Orders
- ❖ All 70 received a field visit and education

❖ Curbside statistics: averaging 40 pickups/month, within budget for 2009 program



Used oil spill @ GO Dodge Dealership

Permit Update – Construction Controls (GESC Program)

- ❖ Over 120 active construction sites being inspected
 - ❖ 60 cases active, routine inspections, +follow-up, re-inspection
 - ❖ 61 cases in initial closeout, 30 day inspection schedule
- ❖ 23 cases closed out since July
- ❖ 22 GESC plans approved, waiting on shelf
- ❖ 21 GESC plans in review (6 of them SEMSWA CIP)
- ❖ 6 GESC plans in design (all of them SEMSWA CIP projects)
- ❖ SEMSWA began issuing all GESC permits for the County in the SEMSWA Area (issuing all City permits now) in September



Permit Update – Post-Construction (WQ BMP)

- ❖ Over 60 Permanent WQ BMP controls being inspected, along with other Public Improvements (storm sewers, inlets, manholes, outfalls)
- ❖ Extensive effort beyond inspections: review of As-Builts @ Preliminary Approval to make sure constructed per approved plans; incorporation into GIS inventory of the stormwater system; annual inspection program, follow-up correspondence and enforcement
- ❖ Formalizing Annual Inspection process and correspondence to owners, including postcard reminding owners of maintenance inspection protocols



Swale



Extended Detention Basin



Porous Landscape Detention

Permit Update – Municipal Operations

- ❖ Completed SOP Manual for ACWWA Activities at Well Sites
- ❖ Drafted Program Modifications Letter for ACWWA Permit
- ❖ Training of ECCV personnel on SOPs, RCP
- ❖ Annual Inventory (required by State by December 31st)
 - ❖ Centennial (Completed)
 - ❖ County (Completed)
 - ❖ ECCV (Completed)
 - ❖ IWSD (Completed)
 - ❖ ACWWA (draft into ACWWA)



Upcoming Regulatory Issues

- ❖ 2008 National Academy of Sciences Report:
 - ❖ Radical changes to the status quo to limit changes in hydrology “that has led to water quality degradation in virtually all urban streams”
 - ❖ EPA embracing findings, working on ‘high priority’ efforts, including:
- ❖ EPA New Final Rule:
 - ❖ Effluent Guidelines for Discharges from Construction & Development Industry
 - ❖ Sample stormwater discharge; comply with a numeric standard of 280 NTU
 - ❖ Phasing in over 4 year period: sites that disturb 20 or more acres at one time need to comply by August 2011 and sites that disturb 10 or more acres in need to comply by November 2013
 - ❖ Costs: \$8 million in 2010; \$63 million in 2011; and \$204 million in 2012; **\$953 million when fully implemented.**
 - ❖ Will be in our next 5 year permit program descriptions
- ❖ Information Collection Request for NPDES Stormwater Management Info
 - ❖ Questionnaires for 1) owners, operators, developers, contractors, developed sites; 2) MS4s; and 3) states: Open for Public Comments
 - ❖ When Questionnaires finalized: selected recipients, **mandatory completion**, estimated time 60 hours to complete

GESC Permitted Sites in Service Area (example Spreadsheet)

GESC Case Spreadsheet – December 2009

Case Number	Project	Inspector	Status update	Notes	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	2011 1st Qtr
D07-1009	1 st Bank	Amber	Closed						
D08-1014	6590 S. Vine Street	Amber	Closed (PA is open)						
D08-2005	A Perfect Landscape	Amber	Active (paperwork)						
D08-4003	ACIP Bronco's Pkwy Wide	Amber	Active						
D07-025	ACIP Quincy/Picadilly	Amber	ICO 30-day (paperwork)						
D08-4004	ACIP Smoky Hill Widen	Amber	Closed						
D08-1003	American National Bank	Amber	ICO - landscaped	No BMPs					
D07-1037	Breakaway Sports	Amber	Plans approved						
D08-1009	Centennial Ctr. Landscape Buffer	Amber	ICO - landscaped	no BMPs					
D07-1004	Centennial Center Phase 2	Amber	Active						
D07-1008	CIP Pond D-1	Amber	Active						
G09-2001	CopperLeaf Signal	Amber	Closed						
D09-1020	First Medical Renovations	Amber	Active						
D09-2027	Hills at Cherry Creek	Amber	Active						
G08-2005	Inverness Well 3R	Amber	Closed						
G09-1015	King Scoopers loading dock	Amber	Plans approved						
G09-1011	Mormon Temple	Amber	Closed						
D07-1018	Southglenn	Amber	Active						
D07-1046	VCCE III	Amber	ICO - active 14-day						
LU-0312-005	Village @ Centennial- Berkeley	Amber	Active						
D08-1032	Village @ Centennial- KB Homes	Amber	Active						