

## 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 31<sup>st</sup>)
  - ❖ 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 <sup>st</sup> 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       | any 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    |          |         |         |         |         |              |
| U-0312-005  | Village @ Centennial- Berkeley   | Amber     | Active                 |          |         |         |         |         |              |
| D08-1032    | Village @ Centennial- KB Homes   | Amber     | Active                 |          |         |         |         |         |              |