

Water Quality Program Update – July 2009



Outreach at Cherry Creek State Park



GESC Controls at a site

Water Quality Program Activities

- ❖ MS4 Permit
 - ❖ Education & Outreach
 - ❖ Illicit Discharge detection
 - ❖ Grading, Erosion and Sediment Control
 - ❖ Permanent WQ BMPs
 - ❖ Municipal Operations
 - ❖ Program Highlights
- ❖ Coordination with Cherry Creek Basin Water Quality Authority
- ❖ Impact of Economic Slowdown
 - ❖ GESC Permitted sites Spreadsheet

Permit Update - Education

- ❖ Several educational outreach events completed in 2009:
 - ❖ Raptor Walk @ Cottonwood Creek
 - ❖ Science Fair
 - ❖ Spring Equinox and Summer Solstice Ecological Assessment at the Cherry Creek Valley Eco Park
 - ❖ Piney Creek Willow staking
 - ❖ Volunteer Clean up and Planting Efforts @ 17-Mile House Park
 - ❖ 'Wild about Littleton' Block Party Booth
 - ❖ Teacher Workshop
- ❖ Advertising: monthly ads in CO Community Newspapers



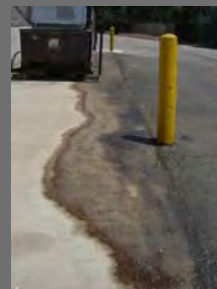
EnviroScape model outreach



Willow Planting along Piney Creek

Permit Update - IDDE

- ❖ 47 IDDE incidents investigated so far in 2009
- ❖ Of those 47, 13 were improper disposal with potential for discharge to waterway
 - ❖ 1 Cleanup Order issued by Code Enforcement
 - ❖ 1 Cleanup Order by Tri-County Health
 - ❖ 1 Cleanup by SEMSWA Maintenance Crew
 - ❖ 1 incident sent to ACSO attention
 - ❖ All received verbal or written education
- ❖ Curbside statistics: averaging 40 pickups/month, within budget for 2009 program



Permit Update – Construction Controls (GESC Program)

- ❖ Over 125 active construction sites being inspected
- ❖ 19 new permits in City since January
- ❖ Final Report Completed on the State Screenings Action Plan
- ❖ County GESC Permit transfer to be completed in August, SEMSWA will begin issuing all GESC permits for the County in the SEMSWA Area (issuing all City permits now)



Permit Update – Post-Construction (WQ BMP)

- ❖ Over 50 sites being inspected for Permanent WQ BMP controls, along with other Public Improvements (storm sewers, inlets, manholes, outfalls)
- ❖ 10 Stormwater Public Improvement Permits for City in 2009
- ❖ Performing As-Built reviews for Probationary and Final Acceptance



Swale



Extended
Detention Basin



Porous Landscape
Detention

Permit Update – Municipal Operations

- ❖ Completed Runoff Control Plan for Centennial Public Works Facility
- ❖ ECCV SOPs (Well Discharge) in progress
- ❖ Completed IDDE for Municipal Operations Training
 - ❖ City staff on IDDE program response
 - ❖ ACWWA/IWSD operations staff
 - ❖ Cunningham Fire District and South Metro Fire District staff
- ❖ Participated in CDPHE Committee on Municipal Operations Inventory for 2009 Annual Report



MS4 Permit Program 2009 Highlights

- ❖ Assisted in EPA Training exercise at The Ridge development site in March
- ❖ Participated in County's Self audit in March
- ❖ Participating with CDPHE in new 'Prescription Medication Take-Back' program
- ❖ IWSD Permit deactivated 6/18/09; now included in SEMSWA permit
- ❖ County MOU and associated SOPs in effect 3/17/09

Coordination with CC Basin Water Quality Authority

- ❖ MOU executed for Cottonwood @ Easter stream stabilization projects, \$338,000 for construction to be invoiced at time of accepted bid
- ❖ MOU for Cherry Creek @ Eco Park in progress
 - ❖ \$59,000 for design; possible additional money for construction
- ❖ Additional projects identified for CCBWQA funds from CIP list
 - ❖ Piney Creek stabilization; Cottonwood Creek regional/retrofit ponds
 - ❖ Work with CIP on projects to be submitted for funds in 2010 and beyond



Impact of Economic Slowdown

- ❖ GESC Program:
 - Stalled development sites
 - Several may require SEMSWA stepping in
- ❖ Post-construction BMP Program:
 - Stalled development sites are being watched closely, and like GESC, may require SEMSWA action at some point
- ❖ Tracking workload to maximize efforts of plan review and inspection staff
 - Spreadsheet of GESC permitted sites follows

GESC Permitted Sites in Service Area

Project	Status	July	August	September	October	November	December
Bronco's Play	Initial Close-Out						
Centennial Center	Initial Close-Out						
Alton Way Office Village	Initial Close-Out						
Proria St. Outfalls	Initial Close-Out						
Smoky Hill Health Plaza	Initial Close-Out						
Homewood Suites	Initial Close-Out						
Helena St. Utility	Initial Close-Out						
Goddard School	Initial Close-Out						
Duncan Family Office	Initial Close-Out						
Dry Creek Office Park	Initial Close-Out						
Bellevue Pond	Initial Close-Out						
Arapahoe Park	Initial Close-Out						
VCCE III	Initial Close-Out						
Lord of the Hills - Holly	Initial Close-Out						
Algonquin Acres	Initial Close-Out						
1 st Bank	Initial Close-Out						
4500 S. Vine Street	Initial Close-Out						
Prairie CRC	Initial Close-Out						
FWSD/ACWWA Pipeline	Initial Close-Out						
Parker/Florida Library	Initial Close-Out						
Denver Water	Initial Close-Out						
Woodcraft	Initial Close-Out						
Southfield Park	Initial Close-Out						
Lazy Hills Water line	Initial Close-Out						
Lima Ridge	Initial Close-Out						
Xjet Fuel Farm	Initial Close-Out						
Spring Creek Park	Initial Close-Out						
Lazy Hills	ICD						
Citizenship and Immigrant	ICD						
Shops at Fox Hill Lot 3	ICD						
Centennial Station (DEA)	ICD						
Solera Salon	ICD						
American National Bank	ICD						
Walgreens	ICD						

30 day inspection

GESC Permitted Sites in Service Area

Richmond Filling 1 Res	Active						
Fig 2 Beaver Parcel A Res	Active						
Meritage Parcel B Res	Active						
Cap-Pac Parcel D Res	Active						
Orr Estates	Active						
Orchard Estates Res.	Active						
Highland Park Res.	Active						
Village at Centennial (KB)	Active						
Village at Centennial	Active						
Foxridge VIII	Active						
ICE	Active						
Valentia Court	Active						
Beeler St. Prop.	Active						
Peakview Elementary	Active						
Village at Cent. Tract M	Active						
Our Father Lutheran	Active						
Inverness Lift Station	Active						
A Perfect Landscape	Active						
Holly Hills Fine Wine	Active						
Centennial Center Ph 1	Active						
ACWWA Water Collector	Active						
Kellmore Park Gen. Add.	Active						
Prairie Water Pipeline	Active						
Richmond Homes Fig 3	Active						
Huntington/Smoky Park	Active						
Sprouts	Active						
Centennial Center II	Active						
Southglenn	Active						
Wells Fargo	Active						
Copperleaf Signal	Active						
Inverness Well 3R	Active						
First Medical Renovate	Approved						
Breakaway Sports	Approved						
Mormon Temple	Approved						

14 day inspection

30 day inspection

GESC Permitted Sites in Service Area

Straight Flight Addition	Active						
Comcast Media Center	Active						
Comcast Media Center	Active						
Pulte Mortgage	Active						
Pulte Sewer Extension	Active						
Arapahoe Rd. Colo-Holly	Active						
Cherry Creek Lift Station	Active						
Family Sports Center PB	Active						
Rainbow Optics	Active						
Vallagio III	Active						
The Ridge	Active						
Wyndham Garden	Active						
Prospect Village	Active						
CarriageGate	Active						
Wagner Rents	Active						
Trust CO of America	Pending						
CC Bus Center #6	Pending						
Easter Lima Sub 2	Pending						
Premier Health Plaza	Pending						
Inverness #57 Lot 2	Pending						
IKEA/Tiger	Pending						
Digicom	Active						
Comcast Data Center	Active						
Southgate Sanitary Line	Active						
Sunborne Office	Active						
Iola Crossing	Active						
Dove Valley Key Bank	Active						
Xcel Comcast Building	Active						
Xcel Tamarac	Active						
Xcel - Holly Orchard	Active						
Xcel - Arap & Dayton	Active						
ACWWA JWPP	Active						
Lifetime Fitness	Active						
AP: SEMSWA Mainten	Active						

30 day inspection

14 day inspection

Pending

GESC Permitted Sites in Service Area

AP: UDFCD -Big Dry Crk	Active						
AP: Xcel Energy	Active						
SEMSWA CIP Pond W4	Active						
CIP-Little Dry	Active						
CIP-East Tollgate	Active						
Maint-Greenfield	Active						
UDFCD-Willow Creek	Active						
UDFCD-SSPRD Golf	Active						
City-Paving	Active						
City-Concrete	Active						
City-Chip Seal	Active						
Wallace Ct stockpile	Active						
Willow Water taps	Active						
ACIP Bronco's Privy Wid	Active						
ACIP Smoky Hill Widen	Active						
Centennial Center II	Active						
Sun Club	Collateral post						
Huntingtn Smky RTD	Active						
SEMSWA-Pond L-1	Active						
CIP-Heritage Place	Pending						
Dry Creek Crossing	Plans approved						
Smoky Hill Med. Office	Plans approved						
Corporex Center II	Approved; hold						
South Cherokee Trail	Approved; hold						
Copperleaf Parcel F	Approved; hold						
ACCWA Potomac/ Briar	Plans approved						
ACCWA Calley Peakview	Plans approved						
American Quality	Plans approved						
Dry Creek Ped Bridge	Plans approved						
Verona Estates	Plans Approved						
TAC Air Hanger	ICO						
ACIP Quincy/Picadilly	ICO						
Oppenheimer	ICO						
Big Horn Plastering	ICO						

14 day inspection

Pending

30 day inspection

GESC Permitted Sites in Service Area

Christian Living Campus	Initial Close-Out						
Fulton Valley	Initial Close-Out						
Malas Holding	Initial Close-Out						
Ethan Allen	Initial Close-Out						
Wetlands Mit. Parcel H	Initial Close-Out						
E. Quincy/S. Himalaya	Initial Close-Out						
Arboretum	Initial Close-Out						
Raddcliff Culvert	Initial Close-Out						
Picadilly Detention Pond	Initial Close-Out						
Pond A ECCV punchlist	Incomplete						
Pond D ECCV punchlist	Incomplete						

30 day inspection