

# State of Colorado

## Stormwater Discharges Associated With Municipal Separate Storm Sewer Systems (MS4s)

### 2004 Annual Report




Annual Report for City of Wheat Ridge  
Stormwater Phase II  
March 10, 2005

Permit Cert. No. COR-090015

 <p>City of Wheat Ridge Stormwater Management Program</p>	<p>TABLE OF CONTENTS</p>	<p>Stormwater Annual Report 2004</p>
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 <p>City of Wheat Ridge Stormwater Management Program</p>	<p>MCM #1- Public Education and Outreach</p>	<p>Stormwater Annual Report 2004</p>
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## I. Public Education and Outreach

### 1. Implementation status

MEASURABLE GOAL	STATUS	CHANGES PROPOSED?
<p>Including dates and numeric measures, as previously submitted</p>	<p>Including dates and numeric measures</p>	<p>To BMP and/ or Measurable Goal? (Y/N) If Yes, describe in Item 4</p>
<p>1. Bi-Annual article in Wheat Ridge Connection- August</p>	<p>Printed the following stormwater info articles, distributed via WR Connection to every mailbox in City:  <b>June, 2004:</b> <i>Clean Choices for Clean Water</i>, describing forms of water pollution, a brief summary of things people can do (lawn &amp; garden care, chemical use/ storage, and landscaping techniques)  <b>August, 2004:</b> <i>Stormwater Quality in Wheat Ridge, Part 1 of a 3-part Series-</i> (what is stormwater, why should I care?, what is Phase II, what's being done, etc.)  <b>December, 2004:</b> <i>Stormwater Quality in Wheat Ridge, Part 2- What Can I Do?-</i> (stormwater review, residential lawn care, hazardous matl's, auto care, septic systems, pet waste, residential landscaping, Rooney Road Recycling Center info.)</p>	<p>No</p>
<p>2. Participation in Annual Carnation Festival- August</p>	<p>Set up info. booth at WR Carnation Festival, Aug. 20<sup>th</sup> from 3-7pm. Displayed Enviroscape model and info-boards on resident solutions. Distributed 400 flyers on "clear choices for clean water", 200 "dog poop bags" &amp; 200 canvas tote bags with message "Stormwater is not treated- keep Colorado's rivers safe". Had meaningful dialogues with approx. 4 dozen citizens.</p>	<p>No</p>

3. Brochures available to businesses and public	<p>Obtained a total of 4,500 brochures under the “clear choices for clean water” series. All 3 sets of flyers have been made available to the public at WR City Hall Planning and PW walk-up areas. Distributed approx. 90 flyers to walk-ins in 2004.</p> <p>In addition to brochures, the City has run the following videos weekly on the City cable Channel 8:  - “After the Storm” by EPA  - “Before the waters rise” by UDFCD</p>	No
4. Web Page Design Development continues	City Web Site Revisions begun in December of 2003 to add a Stormwater Information and Phase II status Page. Development continues to December 2005.	No

**2. Results of information collected and analyzed**

This program area did not include a Measurable Goal to collect data in 2004.

**3. Summary of inspections and formal enforcement actions**

No Inspections were conducted for this program area.

**4. Proposed changes**

No changes are proposed at this time

**5. Activities for next reporting cycle**

TARGET DATE	ACTIVITY
Year 2 – 2005	1. Brochure information provided in WR Connection Biannually, beginning in March ↻ 2. Web Page Design Implementation – December, revised every June and December thereafter ↻

\*Year 1 begins March 10, 2003


\*\*Year 5 (permit term) ends March 9, 2008

➔ Activity continues to end of permit term, or until implemented

↻ Activity repeats to end of permit term on anniversary of Implementation or as noted

**6. Notice of program element operation by a second party**

The Wheat Ridge does not rely on another government entity to satisfy any permit obligations.

 <p>City of Wheat Ridge Stormwater Management Program</p>	<p>MCM #2- Public Participation/ Involvement</p>	<p>Stormwater Annual Report 2004</p>
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## II. Public Participation/Involvement

### 1. Implementation status

MEASURABLE GOAL	STATUS	CHANGES PROPOSED?
Including dates and numeric measures, as previously submitted	Including dates and numeric measures	To BMP and/ or Measurable Goal? (Y/N) If Yes, describe in Item 4
None designated for 2004		

### 2. Results of information collected and analyzed

This program area did not include a Measurable Goal to collect data in 2004.

### 3. Summary of inspections and formal enforcement actions

No inspections or enforcement actions occurred pertaining to this minimum measure.

### 4. Proposed Changes

No changes are proposed for the Public Participation/Involvement Program.

### 5. Activities for next reporting cycle

TARGET DATE	ACTIVITY
Year 2 – 2005	1. Annual Public Hearings Begin – September ↻

\*Year 1 begins March 10, 2003


\*\*Year 5 (permit term) ends March 9, 2008

➔ Activity continues to end of permit term, or until implemented

↻ Activity repeats to end of permit term on anniversary of Implementation or as noted

### 6. Notice of program element operation by a second party

The City of Wheat Ridge does not rely on another government entity to satisfy any permit obligations.

 <p>City of Wheat Ridge Stormwater Management Program</p>	<p>MCM #3- Illicit Discharge Detection and Elimination</p>	<p>Stormwater Annual Report 2004</p>
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### III. Illicit Discharge Detection and Elimination

#### 1. Implementation Status

MEASURABLE GOAL	STATUS	CHANGES PROPOSED?
Including dates and numeric measures, as previously submitted	Including dates and numeric measures	To BMP and/ or Measurable Goal? (Y/N) If Yes, describe in Item 4
1. Ongoing participation and education of Jeff Co. – Rooney Rd. Recycling Ctr. Open to WR Residents (Household Haz. Waste Authority) Ongoing Meas. Goal	Detailed information for the Rooney Road Recycling Center was published and distributed to all City mail drops via the Wheat Ridge Connection in December, 2004.	No
2. Development of Illicit Discharge Detection and Elimination Plan begins- September. Meas. Goal due Sept. 2006.	City staff began evaluating Illicit Discharge D&E Plans from adjacent municipalities in September, 2004. Staff continues to modify existing programs for use in Wheat Ridge.	No
3, Development of Storm Sewer System Outfall Map begins- September. Mesa, Goal due Sept. 2007	Development began August, 2004 by finalizing all revisions & updates to city storm sewer mapping, which is now up to date. In Dec, 2004, City began process to hire a consultant to convert existing City datum to State Plane coordinates by the end of 2005. Once completed in 2005, the City intends to hire consultant to create Outfall Map in new City Datum.	No
4. Promotion of Recycling Center in City Publications and Wheat Ridge Connection- September. Ongoing Meas. Goal.	Detailed information for Rooney Road Recycling Center published in December, 2004 WR Connection as noted in MCM #1 above. Received 2 citizen calls in Dec. requesting addl. information on Center.	No

**2. Results of information collected and analyzed**

This program area did not include a Measurable Goal to collect data in 2004.

**3. Summary of inspections and formal enforcement actions**

No inspections or enforcement actions occurred pertaining to this minimum measure.

**4. Proposed changes**

No changes are proposed at this time

**5. Activities for next reporting cycle**

TARGET DATE	ACTIVITY
Year 2 – 2005	1. Development of Illicit Discharge Detection and Elimination Plan continues → 2. Development of Storm Sewer System Outfall Map continues → 3. Promotion of Recycling Center in City Publications and Wheat Ridge Connection continues → 4. Stormwater Ordinance Presented to Council – October

\*Year 1 begins March 10, 2003


\*\*Year 5 (permit term) ends March 9, 2008

→ Activity continues to end of permit term, or until implemented

↻ Activity repeats to end of permit term on anniversary of Implementation or as noted

**6. Notice of program element operation by a second party**

The City of Wheat Ridge does not rely on another government entity to satisfy any permit obligations.

 <p>City of Wheat Ridge Stormwater Management Program</p>	<p>MCM #4- Construction Site Runoff Control</p>	<p>Stormwater Annual Report 2004</p>
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## IV. Construction Site Runoff Control

### 1. Implementation status

MEASURABLE GOAL	STATUS	CHANGES PROPOSED?
Including dates and numeric measures, as previously submitted	Including dates and numeric measures	To BMP and/ or Measurable Goal? (Y/N) If Yes, describe in Item 4
1. Development of Construction Stormwater Quality Management Plan review process begins- December → Meas. Goal due Sept, 2006	City staff began evaluating SQMP Plans from adjacent municipalities in December, 2004. Staff continues to modify existing programs for use in Wheat Ridge.	No
2. Development of Construction Site Inspection procedures – December → Meas. Goal due April, 2006	City staff began evaluating Const. site inspection procedures from adjacent municipalities in December, 2004. Staff continues to modify existing programs for use in Wheat Ridge.	No
3. Development of Site Enforcement procedures – December → Meas. Goal due April, 2006	City staff began evaluating const. site enforcement from adjacent municipalities in December, 2004. Staff continues to modify existing programs for use in Wheat Ridge.	No

### 2. Results of information collected and analyzed

This program area did not include a Measurable Goal to collect data in 2004.

### 3. Summary of inspections and formal enforcement actions

No inspections or enforcement actions occurred pertaining to this minimum measure.

### 4. Proposed changes

No changes are proposed at this time.



**5. Activities for next reporting cycle**

TARGET DATE	ACTIVITY
Year 2– 2005	1. Development of Construction Stormwater Quality Management Plan review process continues → 2. Development of Construction Site Inspection procedures continues → 3. Development of Site Enforcement procedures continues → 4 Stormwater Ordinance Presented to Council – October

\*Year 1 begins March 10, 2003


\*\*Year 5 (permit term) ends March 9, 2008

→ Activity continues to end of permit term, or until implemented

↻ Activity repeats to end of permit term on anniversary of Implementation or as noted

**6. Notice of program element operation by a second party**

The City of Wheat Ridge does not rely on another government entity to satisfy any permit obligations.

 <p>City of Wheat Ridge Stormwater Management Program</p>	<p>MCM #5- Post Construction Stormwater Management</p>	<p>Stormwater Annual Report 2004</p>
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## V. Post-construction Stormwater Management

### 1. Implementation Status

MEASURABLE GOAL	STATUS	CHANGES PROPOSED?
Including dates and numeric measures, as previously submitted	Including dates and numeric measures	To BMP and/ or Measurable Goal? (Y/N) If Yes, describe in Item 4
1. Development of Stormwater Management Plan review process – September → Meas. Goal due Sept. 2006	City staff began evaluating SQMP Plans from adjacent municipalities in September, 2004. Staff continues to modify existing programs for use in Wheat Ridge.	No
2. Development of Site Inspections – September → Meas. Goal due Sept 2006	City staff began evaluating Site Inspection procedures from adjacent municipalities in September, 2004. Staff continues to modify existing programs for use in Wheat Ridge.	No
3. Development of Enforcement procedures - September → Meas. Goal due Sept. 2006	City staff began evaluating site enforcement procedures from adjacent municipalities in September, 2004. Staff continues to modify existing programs for use in Wheat Ridge.	No

### 2. Results of information collected and analyzed

This program area did not include a Measurable Goal to collect data in 2004.

### 3. Summary of inspections and formal enforcement actions

No inspections or enforcement actions occurred pertaining to this minimum measure.

### 4. Proposed changes

No changes are proposed for the Post-Construction Stormwater Management program.

5. **Activities for next reporting cycle**

TARGET DATE	ACTIVITY
Year 2 – 2005	1. Development of Stormwater Management Plan review process continues → 2. Development of Site Inspections continues → 3. Development of Enforcement procedures continues → 4. Stormwater Ordinance Presented to Council – October

\*Year 1 begins March 10, 2003


\*\*Year 5 (permit term) ends March 9, 2008

→ Activity continues to end of permit term, or until implemented

↻ Activity repeats to end of permit term on anniversary of Implementation or as noted

6. **Notice of program element operation by a second party**

The City of Wheat Ridge does not rely on another government entity to satisfy any permit obligations.

 <p>City of Wheat Ridge Stormwater Management Program</p>	<p>MCM #6- Pollution Prevention/ Good Housekeeping for Municipal Operations</p>	<p>Stormwater Annual Report 2004</p>
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## VI. Pollution Prevention/Good Housekeeping for Municipal Op.

### 1. Implementation Status

MEASURABLE GOAL	STATUS	CHANGES PROPOSED?
<p>Including dates and numeric measures, as previously submitted</p>	<p>Including dates and numeric measures</p>	<p>To BMP and/ or Measurable Goal? (Y/N) If Yes, describe in Item 4</p>
<p>1. Regular roadway, drainageway and storm sewer maintenance programs</p>	<p>The City of Wheat Ridge continues its regular roadway, drainageway and storm sewer maintenance programs. In 2004, the City maintained known Storm Sewer inlets and connecting piping via Vac-truck maintenance. Damaged or missing storm drain markers “No dumping- drains to creek” are replaced at time of maintenance. All collector roadways were maintained with a streetsweeper. This regular maintenance program continues year to year.</p> <p>In 2004, four Capital Improvement drainage projects totaling approx. \$400,000 were completed in residential neighborhoods to correct poor drainage situations. Also in 2004, \$1,100,000 was applied to street preventative maintenance, including crack seal, slurry seal, and overlay of City roadways.</p> <p>In 2004, the City was granted (after an app. in 2003) a bank restoration maintenance project by UDFCD along a heavily eroded portion of Clear Creek (W. 43<sup>rd</sup> Ave &amp; Miller St.)</p>	<p>No</p>

2. Create a Municipal Facilities Map – December.	A City of Wheat Ridge Facility Map was created in November, 2004, which identifies all municipally owned properties, including: City hall, properties used for PW Shops and Parks Dept operations, City materials storage, and City parks. The scaled map includes site address and the drainage basins downstream from each site.	No
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**2. Results of information collected and analyzed**

This program area did not include a Measurable Goal to collect data in 2004.

**3. Summary of inspections and formal enforcement actions**

No inspections or enforcement actions occurred pertaining to this minimum measure, aside from routine construction inspection and observations by City inspection staff for CIP projects.

**4. Proposed changes**

No changes are proposed at this time

**5. Activities for next reporting cycle**

TARGET DATE	ACTIVITY
Year 2 – 2005	1. Regular roadway, drainageway and storm sewer maintenance programs integrated into NPDES program continues → 2. Development of a Municipal Facility Stormwater Quality Plan begins– January → 3. Development of Municipal Inspection Procedures begins– January → 4. Development of Municipal Employee Training begins– January →

\*Year 1 begins March 10, 2003

\*\*Year 5 (permit term) ends March 9, 2008

→ Activity continues to end of permit term, or until implemented

↻ Activity repeats to end of permit term on anniversary of Implementation or as noted

**6. Notice of program element operation by a second party**

The City of Wheat Ridge does not rely on another government entity to satisfy any permit obligations.