



City of Rochester

Annual Progress Report on the 2013 Storm Water Permit Activities

Monday, June 16, 2014

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Environmental and Regulatory Affairs Coordinator
Public Works Department



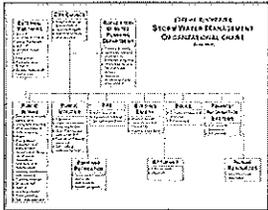

Annual Report Requirements

- Status of compliance with permit conditions
- Appropriateness of the Best Management Practices (BMPs)
- Progress toward achieving Measurable Goals (MGs)
- Changes in BMPs and MGs
- Upcoming activities
- Opportunity for public input




Who Does This Work?

- City Staff
 - Public Works
 - Building Safety
 - Finance
 - Fire Department
 - Human Resources
 - Information Systems
 - Police Department
 - Rochester Public Utilities





Who Does This Work?

- Collaborating Organizations
 - Clear Channel Radio
 - Community Work Service
 - ISD 535 Summer of Service
 - Individual volunteers
 - KAAL TV
 - KTTC/KXLT/CW TV
 - Master Gardeners
 - Mn Dept. of Transportation
 - Olmsted County
 - Rochester Area Builders
 - Rochester Community & Technical College
 - Rochester Garden and Flower Club
 - RNeighbors
 - Rochester Post Bulletin
 - Townsquare Media of Rochester
 - Zumbro Watershed Partnership




What Do They Do?

- MCM 1 – Public Education
- MCM 2 – Public Participation
- MCM 3 – Illicit Discharge Detection
- MCM 4 – Construction Site SWM
- MCM 5 – Post-Construction SWM
- MCM 6 – Good Housekeeping
- And related permit duties

See the “By the Numbers” handout




MCM 1 – Public Education Highlights




MCM 2 – Public Participation Collaborator Highlights

- *A Litter Bit Better!*: 3,189 volunteers, 228 groups, 24,364 lbs of litter, 5,185 acres
- Demonstration raingardens: 2 residential, 1 @ John Adam's, 1 in park (SOS)
- RNeighborWoods: 539 trees, 820 volunteers, 50 citizen foresters
- ZWP Water Ways urban presentations: 192 attendees





MCM 3- Illicit Discharge Highlights

- 17 illicit discharge reports
- 2 sanitary sewer overflow incidents
- RFD responded to 249 accidents to contain hazardous material spills

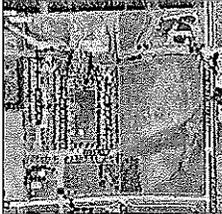






MCM 3 – Mapping Highlights

- GIS infrastructure mapping updates are on-going
- A geocoded database was created for the WQPP to quantify its pollutant reduction value
- The permit-required storm water pond, wetland and lake inventory was submitted to MPCA





MCM 4 – Construction Site Storm Water Management Highlights

- Individual lot ESC inspections involved 112 subdivisions and 78 builders
- GDP/SDP/City project ESC inspections at 69 sites






MCM 5 – Post-Construction Storm Water Management Highlights



Preparing to survey & stake the pond 24 rehabilitation project

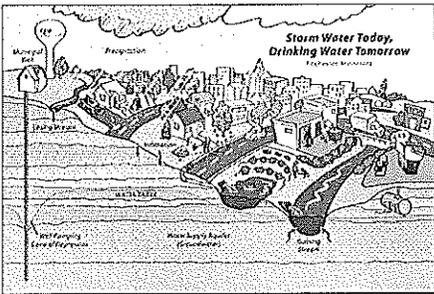


Grading Plan Review






RPU Wellhead Protection Coordination





Keeping it Clean

 Wastewater

RPU Wellhead Protection Coordination

- RPU Current Efforts
 - Conserve & Save: "Plugged In" articles to 47,000 customers, web site tips, advertising, and rebates
 - Technical water conservation assistance
 - Update/implement DNR-approved Water Supply Plan
 - Implement water conservation fee structure
 - Implement Wellhead Protection Plan
 - Referral comments on GDPs in/near DWSMA's
- RPU Future Efforts
 - August 2014: updated wellhead protection maps using new USGS groundwater model
 - Late 2014: Update Wellhead Protection Plan
 - 2016: new billing system that displays past monthly water use

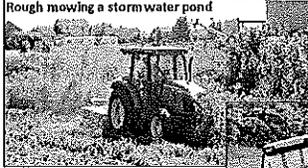
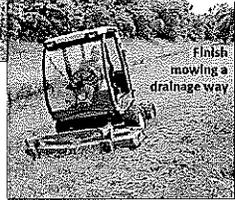


Keeping it Clean

 Wastewater

MCM 6 – Good Housekeeping Contracted Services

Rough mowing a storm water pond

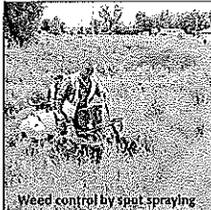
Finish mowing a drainage way



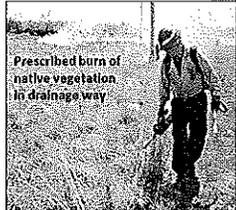
Keeping it Clean

 Wastewater

MCM 6 – Good Housekeeping Contracted Services



Weed control by spot spraying



Prescribed burn of native vegetation in drainage way



Keeping it Clean

 Wastewater

MCM 6 – Good Housekeeping In-House Maintenance



Storm Sewer Replacement



Storm Sewer Repair



Keeping it Clean

 Wastewater

MCM 6 – Good Housekeeping In-House Maintenance



Debris removal



Outfall repair



Keeping it Clean

 Wastewater

MCM 6 – Good Housekeeping In-House Maintenance

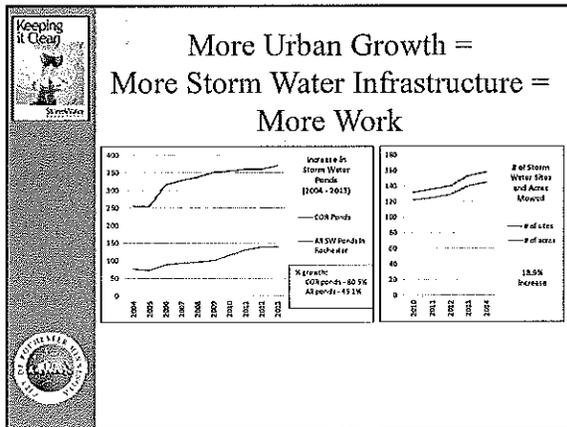


Cleaning/Aeration



Ice jam removal





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- ### Permit Progress Summary
- Ongoing reporting & record keeping
 - We are not relying solely on other entities to satisfy any of our permit requirements
 - Status of compliance with permit conditions - ACCEPTABLE
 - Best Management Practices - APPROPRIATE
 - Progress toward achieving Measurable Goals - ACCEPTABLE
 - Changes in BMPs and MGs - NONE
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- ### New Permit Update
- Received coverage on May 8, 2014
 - 12 months to develop the following:
 - Storm Water Management Plan Update
 - New storm water ordinance/grading checklists
 - Enforcement response protocol
 - TMDL accounting tool
 - Pond effectiveness assessment plan
 - Comprehensive facilities inventory
 - Documentation procedures for MCM 5 activities
 - City employee training
 - Business education plan
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- ### Related Items
- Developed QA/QC procedures and completed the a comprehensive SWUF review
 - 4,266 parcels for 2,996 SWUF customers
 - 2,032 parcels undeveloped or exempt
 - Developing an Asset Management System and improved cost-coding system
 - Inspecting all inlets/outlets to assess safety grate need
 - Defining maintenance responsibilities for City parcels (RPU, P&R, RPW)
 - Will integrate SWMP with DMC plans and Comprehensive Plan
 - Will Revisit SWUF Rate
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- ### Public Input
- Follow us on Twitter @CleanWaterRoch
 - Presentation, By the Numbers Handout & Annual MPCA report will be posted at www.rochesterstormwater.com
 - Questions/Comments?
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Acronyms Used in the Annual Storm Water Report

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|-------|---------------------------------------|
| BMP | Best Management Practice |
| COR | City of Rochester |
| DMC | Destination Medical Center |
| DNR | Department of Natural Resources |
| DWSMA | Drinking Water Supply Management Area |
| ESC | Erosion and Sediment Control |
| GDP | General Development Plan |
| GIS | Geographic Information System |
| GPS | Global Positioning System |
| ISD | Independent School District |
| MCM | Minimum Control Measure |
| MG | Measurable Goal |
| MPCA | Minnesota Pollution Control Agency |
| P&R | Park and Recreation Department |
| QA/QC | Quality Assurance/Quality Control |
| RFD | Rochester Fire Department |
| RPU | Rochester Public Utilities |
| RPW | Rochester Public Works Department |
| SDP | Site Development Plan |
| SWMP | Storm Water Management Plan |
| SWUF | Storm Water Utility Fee |
| TMDL | Total Maximum Daily Load |
| USGS | United States Geological Survey |
| WQPP | Water Quality Protection Program |
| ZWP | Zumbro Watershed Partnership |