

Keeping
it Clean



StormWater
MANAGEMENT

Annual Progress Report on the 2007 Storm Water Permit Activities

Rochester City Council Meeting
6/16/08

Other than Council and staff, how many people are present to hear this report?

Who Does This Work?

- City Staff
 - Public Works (97)
 - Building Safety
 - Finance
 - Fire Department
 - Human Resources
 - Information Systems
 - Police Department
 - Public Utilities
- Partner Organizations
 - Clear Channel Radio
 - Cumulus Radio
 - Community Work Service
 - KAAL TV
 - KTTC TV
 - Master Gardeners
 - Mn Dept. of Transportation
 - Olmsted County
 - Post Bulletin
 - Rochester Area Builders
 - Rochester Community & Technical College
 - RNeighbors
 - Rochester Rowing Club
 - Summer of Service
 - Zumbro Watershed Partnership

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

MCM 1 – Public Education

- ~2.2 million contacts
 - 12 press releases, 7 TV and radio interviews, 38 newspaper articles, 8 newsletter and magazine articles
 - 3 utility bill stuffers
 - Web sites:
 - storm water web site (~10,000 hits/year)
 - City web site (~405,515 hits/year)
 - RNeighbors web site (~27,375 hits/year)

MCM 1 – Public Education

- Contacts, continued
 - 1,356 ESC inspection & enforcement contacts
 - 2 rain garden workshops (by others)
 - 22 presentations
 - 29 posters, open houses, signs, kiosks & displays
 - 18 staff training sessions (general & specialized)

MCM 1 – Public Education

- Participated in 7 meetings with the RUA Education Work Group (primarily City of Rochester, RCTC, MnDOT & Olmsted County) to co-implement our cooperative education plan
- Assembled an inventory of 92 items for general public education and staff training to be available to partners

MCM 2 – Public Participation

- Public meeting on 2006 annual report
- Promotion of volunteer opportunities on the Storm Water web site
 - Volunteer lake and stream monitors
 - Adopt-a-Highway and Adopt-a-Park volunteers
- Citizen complaint intake – 305 records and responses (ASIST + call logs)

MCM 2 – Public Participation

- Volunteer Partners
 - RNeighbors & RPW volunteers distributed 3,127 litter bags at the Rochesterfest parade
 - Community Work Service collected 740 pounds of litter
 - Summer of Service volunteers marked 161 storm drains, distributed 500 door hangers, and collected 250 pounds of litter
 - 2 RNeighborWoods tree plantings, 4 Neighborhood Association tree plantings, and 3 Citizen Forester training sessions (306 trees/532 volunteers/42 new citizen foresters)

MCM 2 – Public Participation

- Volunteer Partners (continued)
 - RPU “Partners in Planting” (128 tree discount coupons claimed)
 - 1,400 *A Litter Bit Better!* volunteers collected 11 tons of litter
 - Care Fest – calcareous fen vegetative management
 - Rochester Rowing Club – litter collection within the Silver Lake Buffer project area
 - 415 handouts distributed at 2 fair booths (Master Gardeners, ZWP)

MCM 3 – Illicit Discharges

- Further updates to the storm sewer system map
- WQPP elimination of aging septic systems (25 connections to City sanitary sewer)
- Collection of RV sewage at the RWRP Sewage Pump Out Stations (~541 users; ~27,050 gallons)
- 19 illicit discharge calls resulting in 15 illicit discharge investigations
- 455 dry weather outfall inspections (of 2004 outfalls; 23%)

MCM 3 – Illicit Discharges

- 2 sanitary sewer overflow responses (< 500 gallons; contained)
- Illicit sump connections discovered and corrected: 0 commercial, 3 residential
- 270 RFD hazardous spill response and containment

MCM 4 – Construction Site SWM

- Conducted 741 ESC inspections at 161 active subdivisions and site development plan sites
- Conducted 987 ESC inspections at 538 active individual residential lots
- Processed 77 ESC enforcement actions (32 stop work warnings, 1 stop work order, 8 correction orders, 4 notices of grading violation, 32 letters requesting an on-site technical assistance meeting, 0 court actions)
- Approved 62 ESC plans as part of grading plan review/approval process
- Responded to 4 ESC complaints
- Implemented construction storm water permit requirements for 9 City projects

MCM 5 – Post-Construction SWM

- 265 planning referrals made for all development types to review impacts of development on storm water management
- 64 individual single family residential lot grading plans approved
- 89 grading plans approved
- 62 grading permits issued
- 23 construction plans approved

MCM 5 – Post-Construction SWM

- 3 new City ponds were substantially complete in 2007 (Quarry Hill)
- 2 pond retrofits (Rose Harbor) are in progress
- 7 ponds in design or study stage (Strains quarry retrofit, Baihley Woods retrofits, Airport, Hart Farms, Mayo Run Pond 201/EP 16, Kresbach, and Morris Meadows)
- Inspected 70 public storm water ponds (73%)
- 325 total completed ponds in Rochester: 96 City [public and easement], 78 transition, 119 private, 3 county, and 29 state

MCM 5 – Post-Construction SWM

- Silver Lake Buffer project in progress
- 3 conveyance projects in the study stage (Badger Ridge, Baihley Woods Ravine, and 7th Ave NW storm sewer)
- 4 conveyance projects in progress (Quarry Hill, Century Hills 1st, Lincolnshire, and Leitzen/Morris Meadows)
- 1 conveyance project completed (Pleasant Acres)
- 4,102 LF of new storm sewer constructed with 83 associated structures (i.e., manholes, catch basins, inlets, outlets and blind ties) a result of new development

MCM 6 – Good Housekeeping

- Swept 12,768 lane miles of streets
- Completed Work Orders for the cleaning and/or repair of:
 - Storm sewers, culverts, inlets/outlets, and outfalls: 21 sites
 - Ditches and drainage ways: 9 sites
 - Ponds and their associated infrastructure: 20 sites
 - Catch basins: 376 sites

Other Permit Elements

- Total Maximum Daily Loads
 - *Fecal coliform* bacteria (Silver Lake, pet waste education, elimination of goose feeding)
 - Mercury (assessment only)
 - Monitor development of regional TMDLs for nutrients and turbidity (ongoing)
- Discharges to waters with restricted discharges
 - Assessed as part of the Nondegradation Review
 - 4 ROPD reviews associated with the Decorah Edge

Miscellaneous

- Ongoing reporting & record keeping
- No structural pollution control devices
- We are not relying solely on other entities to satisfy any of our permit requirements
- The Nondegradation Review submitted to MPCA in 8/06 (no MPCA response to date)
- The new permit application and SWPPP submitted to MPCA 6/06 was approved 4/9/08

Summary of Progress

- Status of compliance with permit conditions - **ACCEPTABLE**
- Best Management Practices - **APPROPRIATE**
- Progress toward achieving Measurable Goals - **ACCEPTABLE**
- Changes in BMPs and MGs – **SUBMITTED WITH 2006 REVISED SWPPP**

Upcoming Activities

- Better communication/alignment with water resource professionals to minimize conflicts and maximize program implementation
- Develop computer based training module about storm water for new employee orientation
- Continue with departmental audits and development of O & M plans
- Finalize pond acceptance procedure
- Develop comprehensive pond maintenance SOPs
- Develop encroachment ordinance
- Further develop IDDE program
- Revisit SWMP to consider alternative BMPs, focused discharge problems, etc.
- Nondegradation rule making

- Questions or comments?
 - Council
 - Audience
- Additional written comments on the adequacy of the SWPPP will be accepted until close of business on Wednesday 6/18/08:
 - Fax: 328-2401
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 - Mail: Barb Huberty

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