

COMMUNITY STORMWATER ISSUES

This document is intended to assist MS4s in identifying community stormwater issues per Section 4.3 Public Education, Outreach, Participation, and Involvement MCM. These activities or programs may already be occurring in your MS4 and could be coordinated with 4.3 (a)(2), (a)(3) and (a)(5). These could be in the form of training checklists, educational brochures, webinars, videos, social media posts, fact sheets, utility mailers, meetings, etc.

Construction:

- Contractor or builder workshops
- Educational materials provided with building permits
- Review/training checklist for contractors & builders on the basics of the MS4's ordinance, plan review process, review procedures, and web locations for ordinances, standards, and forms
- Develop a fact sheet on good vs. bad for soil tracking to roads (use pictures!)
- Conduct preconstruction meetings and review how the local process is administered.
- How to spot improper concrete washout & other failing best management practices
- Importance of secondary containment and use on jobsites
- Preventing jobsite waste and debris pollution
- Checklist for contractors & builders to ensure implementation for self-monitoring and Project Management Log that meets the local ordinance
- Provide websites for concrete washout educations/videos and have the contractor/builder attest that they reviewed
- Provide information on what is expected after a MS4 inspection – corrective actions, timeframe, documentation, etc.
- Develop an SOP for internal processing of plans (timeframes, contacts, fees, invoicing, long-term recordkeeping, etc.)
- Provide information on proper dewatering techniques, site management, seeding and stabilization practices, and sediment control measures

Residential:

- Proper placement for grass clippings (mow inward)
- Leaf collection dates, where to place (not in the streets or on a stormwater inlet)
- How to compost yard waste
- Litter pick-up in your neighborhood
- Community recycling programs and Household Hazardous Waste collection events
- Dog parks – poo pick up
- Preferred locations for residential car washing
- Local requirements for fundraiser car washing
- Pressure washing surfaces and equipment
- Where and how to properly discharge pool water at the end of the season
- Environmentally friendly deicing tips
- Stormwater Utility education
- Survey residents on the best method for outreach – social media, paper, mailers, utility bill stuffers, etc.
- Property owner responsibilities for waterways, outfalls, ponds, wetlands, and floodways
- Ways to conserve water with rain gardens and rain barrels
- What is pollution and where or how to report it (provide IDDE ordinance link)
- Basic understanding of stormwater & drainage, swales, inlets, point vs. nonpoint source, etc.
- Correct home vehicle, mowers & other equipment maintenance (locations and disposal)
- Identifying residential spills and or spills while fueling vehicles at gas stations (Do not top off)
- Adopt-a-Drain program & help prevent flash flooding
- What are Combined Sewer Overflows
- Wellhead Protection Programs – education is provided for septic systems, water wells & abandonment, household chemical application, & pesticide/herbicide/fertilizers application
- Clear or Clean Water Reduction Programs - disconnecting roof down spouts and sump pumps from sanitary sewers to the ground
- Residential fats, oils and grease disposal or collection centers
- Planting trees to help with stormwater runoff
- Plant native vegetation and pollinator plants; remove invasive species
- Biological indicators (fish, mussels, macros)
- Stormwater and climate change

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Industrial/Commercial:

- Proper management of dumpsters and spills and general housekeeping
- Reviewing post-construction BMPs for site infrastructure and required maintenance
- Understanding the Industrial Stormwater Permit program and how the MS4 Program can be involved
- Where does my site drain to – Industrial Stormwater Permit and exclusions to the program (example: drainage into a combined sewer system)
- Ways to identify active industrial facilities: work with local Pretreatment Programs and the IDEM Permit Excel Document
- Benefit of sweeping lots and roads
- Internal spill procedures and reporting to the municipality
- Facility Maintenance and site BMPs
- Coordinate with businesses on their training or safety days
- Proper refueling of vehicles and equipment
- BMPs for bulk salt storage, application, and using the proper salt type
- Industrial and Restaurant fats, oils, and grease programs
- Disconnecting roof top and surface drainage from sanitary sewers
- Wellhead Protection Programs provide education on tanks, spills & contamination
- Utilize existing Pretreatment Program – Wastewater Department inspects industrial sites annually
- Industrial SPCC Training reviews proper secondary containment, bulk fueling, spill response, and routine inspections
- Ask a business to volunteer for river cleanups or Adopt-a-Stream events

Available Resources:

Construction:

- [IDEM: Storm Water Permitting: Construction / Land Disturbance Permitting](#)
- [Stormwater Quality Inspection](#) – general education for construction inspections
- [Proper Concrete Washout for Contractors](#)
- [Construction BMPs – Site Access and Preparation](#)
- [Construction BMPs – Stormwater Runoff/Run on](#)
- [Construction BMPs – Surface Stabilization](#)
- [Construction BMPs – Outlet Protection and Grade Stabilization](#)

Residential:

- [Blue is the New Green](#)
- [Stormwater Pond Maintenance for Homeowners](#)

Commercial/Industrial:

- [Proper Refueling](#)
- [Management of Dumpsters and Trash Fact Sheet](#)
- [Shop Posters for Municipal Activities](#) – similar practices used at industrial sites

Multiple Uses:

- [IDEM: Storm Water Permitting: Municipal Separate Storm Sewer Systems \(MS4\)](#)
- [Illicit Discharge Tip Card](#) – provide to residential, commercial, industrial and construction
- [INAFSM Help Sheet: Educational Resources](#) – identifies educational sources for elected official, general municipal employees, construction/post-construction, and municipal activities that could be used for residential, contractors, and industrial/commercial sites.