



Prepared by the INAFSM Stormwater Committee

EDUCATIONAL RESOURCES FOR MS4s

The Stormwater Committee has compiled various webinars, videos, and other resources for MS4s to use for elected officials, administrative personnel, municipal operations employees, and construction/post-construction personnel.

Tippecanoe County Partnership for Water Quality (TCPWQ) – TCPWQ produced a series of videos for training MS4 employees.

1. Good Housekeeping and Pollution Prevention: Module 1 – [Why Do We Have To Do What We're Doing?](#) Duration: 12:42.
2. Good Housekeeping and Pollution Prevention: Module 2 – [How to Identify the Problem?](#) Duration: 10:33.
3. Good Housekeeping and Pollution Prevention: Module 3 – [Which Products Cause Us Concern?](#) Duration: 11:43.
4. Good Housekeeping and Pollution Prevention: Module 4 – [How to Control the Problem?](#) Duration: 17:43.
5. Good Housekeeping and Pollution Prevention: Module 5 – [Cleanup – What Do I Do With This Stuff?](#) Duration: 9:50.
6. Spill Prevention, Control, and Countermeasures – [Spill Prevention Training Module](#). Duration: 22:09.

Toledo Metropolitan Area Council of Governments (TMACOG) - TMACOG produced series of videos and posters to help workers meet regulations and protect stormwater during shop and maintenance operations.

1. [Training Playlist](#) on YouTube.
2. [TMACOG Good Housekeeping & Pollution Prevention for Municipal Crews | Introduction to Series - YouTube](#). Date: 9/18/20. Duration: 4:42
3. [TMACOG Good Housekeeping & Pollution Prevention for Municipal Crews | Spill Response - YouTube](#). Date: 9/18/2020. Duration: 2:09.
4. [TMACOG Good Housekeeping & Pollution Prevention | Materials Storage, Handling, and Clean up - YouTube](#). Date 9/18/2020. Duration: 4:30.
5. [TMACOG Good Housekeeping & Pollution Prevention for Municipal Crews | Streets Maintenance - YouTube](#). Date: 9/18/20. Duration: 4:20
6. [TMACOG Good Housekeeping & Pollution Prevention for Municipal Crews | Parks and Grounds Management - YouTube](#). Date: 9/18/2020. Duration: 4:42

San Diego County, CA Department of Public Works (website) – multiple videos discussing erosion and sediment controls to municipal operations.

1. [Stormwater Strategies: Housekeeping - YouTube](#). Video reviews municipal operations BMPs and housekeeping. Date: 8/16/2011. Duration: 14:03.
2. [Stormwater Strategies: Erosion & Sediment Control - YouTube](#). Review of erosion and sediment control using BMPs. Date: 7/5/11. Duration: 9:12.

Stormwater Partners of SW Washington (website) - Independent coalition of jurisdictions, agencies and non-profit organizations working together to protect water quality and watersheds in SW Washington.

1. [Training Playlist](#) on YouTube.
2. [Stormwater Facilities](#). Extensive information on stormwater facilities (ponds, catch basins, drywells, swales, etc.) including maintenance manuals and trouble-shooting problems.
3. [Stormwater runoff - YouTube](#). Video What is stormwater runoff and its effect on our environment. Also, how stormwater facilities work and who is responsible for their upkeep. Date: 4/20/2011. Duration: 5:15.
4. [Preventing Pollution – Businesses](#). Information for businesses on wastes and spills.
5. [Stormwater management: the basics - YouTube](#). An introduction to stormwater and how we can protect the health of waterways and reduce the risk of flooding. Date: 2/21/2011. Duration: 7:17.



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U.S. Environmental Protection Agency – [NPDES Stormwater Webcasts](#)

1. [EPA: The Scoop on Stormwater - YouTube](#). Review of water pollution in urban areas. Date: 07/18/2017. Duration 1:43.
2. [Construction SWPPPs from A to Z: Everything You Ever Wanted to Know and More - YouTube](#). Duration: 2:06:05. Date 12/16/2015.
3. [Developing Your IDDE Program \(IDDE 101\) - YouTube](#). Provides a basic overview of how municipal stormwater permittees can develop an illicit discharge detection and elimination program. Date: 12/16/2015. Duration: 2:09:04.
4. [Conducting Illicit Discharge Detection and Elimination Investigations \(IDDE 201\) - YouTube](#). Discusses the field and lab methods necessary to conduct IDDE investigations. Date: 12/16/2015. Duration: 1:58:15.
5. [Illicit Discharge Detection and Elimination IDDE 301 - YouTube](#). Focuses on finding and eliminating illicit discharges. Topics include methods for tracing illicit discharges to their sources via various methods and eliminating illicit discharges. Date: 12/16/2015. Duration: 2:00:39.
6. [EPA's Stormwater Pollution Prevention Webinar Series - YouTube](#). Discusses stormwater, coal-tar sealcoats, and polycyclic aromatic hydrocarbons. Date: 12/16/2015. Duration: 2:45:28.
7. [EPA's Stormwater Pollution Prevention Webinar Series: Road Salt Pollution Prevention Strategies - YouTube](#). Provides information on the impacts of road salt on the environment, implementation of TMLDs involving road salt, successful reduction strategies used by states, and possible groundwater impacts. Date: 12/16/2015. Duration: 2:11:03.

City of Columbia, Missouri – Michael J. Heimos. Series of short videos on municipal operations.

1. [Training Playlist](#) on YouTube.
2. [Waste Management - YouTube](#). Date: 11/24/2020. Duration: 2:45.
3. [Municipal Facility Management - YouTube](#). Date:11/24/2020. Duration: 2:01.
4. [Landscaping & Ground Maintenance - YouTube](#). Date:11/24/2020. Duration: 4:05.
5. [Spill Control - YouTube](#). Date:11/24/2020. Duration: 2:19.
6. [Good House Keeping - YouTube](#). Date:11/24/2020. Duration: 2:48.
7. [Material Management - YouTube](#). Date:11/24/2020. Duration: 2:49.
8. [Vehicle Fuel - YouTube](#). Date:11/24/2020. Duration: 2:12.
9. [Parking Lots & Streets - YouTube](#). Date:11/24/2020. Duration: 2:07.
10. [Vehicle Wash - YouTube](#). Date:11/24/2020. Duration: 2:16.
11. [Storm Drains - YouTube](#). Date:11/24/2020. Duration: 1:22.
12. [Vehicle Maintenance - YouTube](#). Date:11/24/2020. Duration: 1:15.
13. [Working Over Or Near Water Surfaces - YouTube](#). Date:11/24/2020. Duration: 2:01.
14. [Good House Keeping - YouTube](#). Date:11/24/2020. Duration: 2:48.



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University of British Columbia, Land and Food Systems (mlws.landfood.ubc.ca) – video series on Urban Stormwater Management.

1. [Training Playlist](#) on YouTube.
2. [Introduction to Innovative Stormwater Management - YouTube](#). Date: 2/19/2014. Duration: 4:49.
3. [Innovative Stormwater Management at the Property Scale - YouTube](#). Date: 2/19/2014. Duration: 15:34.
4. [Innovative Stormwater Management at the Neighbourhood Scale - YouTube](#). Date: 2/24/2014. Duration: 14:18.
5. [Innovative Stormwater Management at the Watershed Scale - YouTube](#). Date: 3/5/2014. Duration: 10:11.

Center for Watershed Protection (<https://www.cwp.org/>) – several videos on construction BMPs and LID. Created by Chesapeake Stormwater Network.

1. [Weekly webcasts](#). Subjects vary.
2. [Training Playlist](#) on YouTube.
3. [Stormwater BMP & LID Maintenance - YouTube](#). Date: 12/17/2012. Duration: 14:59.
4. [LID Stormwater Construction Practices - YouTube](#). Date: 11/7/2012. Duration: 14:58.
5. [Inspecting LID Stormwater Practices - YouTube](#). Date: 11/30/2012. Duration: 11:29.
6. [BMP Construction \(Spanish\) - YouTube](#). Date: 4/19/2010. Duration: 18:12.
7. [BMP Maintenance \(Spanish\) - YouTube](#). Date: 4/19/2013. Duration: 16:51.
8. [Stormwater Retrofitting - YouTube](#). Date: 8/11/2011. Duration: 5:01.

Virginia Department of Transportation (VDOT) – Videos provide training for contractors and Street Department personnel.

1. [Training Playlist](#) on YouTube.
2. [VDOT Good Housekeeping and Pollution Prevention Training - YouTube](#). Date: 5/16/2019. Duration: 7:10.
3. [VDOT Best Practices – Maintenance – Tree trimming and removal of downed trees - YouTube](#). Date: 8/17/2018. Duration: 4:38.
4. [VDOT Best Practices – Maintenance – Skin Patching - YouTube](#). Date: 8/17/2018. Duration: 5:05.
5. [VDOT Best Practices – Maintenance – Pothole Patching - YouTube](#). Date: 8/17/2018. Duration: 5:05.
6. [VDOT Best Practices – Maintenance – Gravel Road Maintenance - YouTube](#). Date: 8/17/2018. Duration: 5:32.
7. [VDOT Best Practices – Maintenance, Snow Removal Equipment Desalting - YouTube](#). Date: 8/17/2018. Duration: 5:06.
8. [VDOT Best Practices – Maintenance, Concrete Bridge Deck Patching - YouTube](#). Date: 8/17/2018. Duration: 3:45.
9. [VDOT: Shoulder maintenance - YouTube](#). Date: 9/5/2018. Duration: 3:31.



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Misc. Videos and Training:

1. [Erosion & Sediment Control Inspection Basics - YouTube](#). The inspection basics for construction erosion and sediments. Provided by Ohio EPA. Date: 5/29/2013. Duration: 11:18.
2. [NPDES Refresher Training: Erosion & Sedimentation Control - YouTube](#). This refresher course in Stormwater Pollution Prevention covers erosion and sedimentation control or E&SC, and is intended to be a brief refresher course to help staff and contractors review the E&SC concepts. Provided by Water Atlas and Orange County, FL. Date: 4/30/2018. Duration: 28:15.
3. [Stormwater Pollution & Green Infrastructure Solutions - YouTube](#). An educational film on Stormwater Pollution and Green Infrastructure. Provided by Nassau County Soil and Water Conservation District and the New York State Department of Environmental Conservation ([website](#)). Date: 1/27/2016. Duration: 29:29.
4. [Parks Staff Keep Water Clean](#). A video over landscaping, repairs, and maintenance specific to Parks Departments. Provided by Minnesota State Academy for Parks Maintenance, Preservation and Beautification. Date: 4/23/2018. Duration: 11:43.
5. [How to Spot and Report Stormwater Pollution - YouTube](#). North Central Texas Council of Governments and the Illicit Discharge Detection and Elimination Task Force. This video is a tool to train non-storm water, municipal personnel to be able to recognize and report water pollution while traveling the community to conduct municipal business. Date: 10/1/2013. Duration: 7:06.
6. [Inspecting LID Stormwater Practices - YouTube](#). Review of LID features and functions, inspections, and management. Provided by Center for Watershed. Date: 11/30/2012. Duration: 11:29.
7. [MCM 6 Pollution Prevention/Good Housekeeping - Minnesota Stormwater Manual \(state.mn.us\)](#). The Minnesota Pollution Control Agency provides various resources, fact sheets, and videos on PP & GH.
8. Partners for a Clean Environment (PACE), Colorado – [Municipal Stormwater Operations](#)
9. Local Technical assistance Program (LTAP), Purdue – training events are posted on [website](#).

Other Training Resources:

1. NPDES Training Institute ([website](#)) – Stormwater training and certification for MS4, Construction, Industrial, and Green Infrastructure Stormwater Inspectors.
2. Stormwater One ([website](#)) – online training and credentials. Some courses are paid, but there are some that are free. [Free Training \(stormwaterone.com\)](#).
3. Excal Visual, Inc. ([website](#)) – online and purchased storm water training.
4. International Erosion Control Associations (IECA) – various live webinars and on-demand courses through their [eHUB](#).
5. NPDES Stormwater Center ([website](#)) – various live webinars and on-demand courses.
6. Continuing Education & Development ([website](#)) – online courses for erosion and sediment control.
7. Hoosier Riverwatch ([website](#)) – hosts various workshops.
8. Indiana Master Naturalist Program ([website](#)) – provides classes on natural resources.