

# **STORM WATER RESOURCES**

## **EPA Region 6 Version – 6/10/02**

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### **General Storm Water Resources**

#### **Storm water web links**

Includes links to a number of the following websites along with local links to examples of Municipal/MS4 Storm Water Program Pages.

[http://cfpub1.epa.gov/npdes/linkresult.cfm?program\\_id=6&view=parea](http://cfpub1.epa.gov/npdes/linkresult.cfm?program_id=6&view=parea)

#### **Storm Water Publications Including Permits and Forms**

Case studies, example and general permits, fact sheets and outreach materials, permit applications and forms, policy and guidance documents, program status reports, technical and issue papers.

[http://cfpub.epa.gov/npdes/pubs.cfm?program\\_id=6](http://cfpub.epa.gov/npdes/pubs.cfm?program_id=6)

#### **Publications and Information sources**

Links to documents on topics such as agriculture, urban, marinas, wetlands, forestry, and general topics.

<http://www.epa.gov/owow/nps/pubs.html>

#### **EPAs Urban Watershed Branch**

Contains resources, tools, and data on wet weather flows

<http://www.epa.gov/ednrmrl/>

#### **Where to Surf for Stormwater resources**

From Wisconsin Department of Natural Resources – links to various resources

<http://www.dnr.state.wi.us/org/water/wm/nps/swlinks.htm>

#### **Center for Watershed Protection**

Provides technical information, model ordinances, articles, workshops and much more.

<http://www.cwp.org/>

### **“Stormwater”**

The Journal for Surface Water Quality Professionals offers free subscription to those in the stormwater field, as well as access to past issues.

<http://www.forester.net/sw.html>

### **North Central Texas Council of Governments**

Contains fact sheets and information, some on Texas and some more general information.

<http://www.dfwstormwater.com/>

### **Stormwater Managers Resources Center**

Extensive site containing a library, slideshows, ordinance documents, fact sheets, etc.

<http://www.stormwatercenter.net/>

### **California Department of Transportation Stormwater Website**

<http://www.dot.ca.gov/hq/env/stormwater/index.htm>

### **California State Water Resources Control Board homepage**

Contains general and specific technical information and links to other resources:

<http://www.swrcb.ca.gov/>

### **Wisconsin Clean Water Program**

A very extensive site of resources, publications, and program links (most Wisconsin related).

<http://clean-water.uwex.edu/>

### **Links to other stormwater sites**

<http://www.epa.nsw.gov.au/stormwater/links.htm>

### **"Oregon Municipal Stormwater Toolbox for Maintenance Practices"**

Includes BMPs and recommendations for:

- Developing A Water Quality Friendly Maintenance Program
- Maintaining The Storm Sewer System
- Maintaining And Repairing Roadways
- Maintaining Roadside Areas
- Keeping A Clean Maintenance Shop/Yard
- Storing and Disposing of Waste Materials
- Educating Maintenance Staff About Stormwater Quality
- Educating and Informing The Public About Stormwater Quality
- Other Sources of Information and Toolbox References

Created by the Oregon Association of Clean Water Agencies (ORACWA), an "organization of local government agencies working to maintain and enhance the quality of lakes, rivers and streams in Oregon."

<http://www.oracwa.org/Pages/toolbox.htm>

### **Storm Water News**

Provides information regarding storm water pollution, treatment methodologies, and related issues. Has a library where research papers, software, and information regarding Nonpoint Source Pollution, Best Management Practices, upcoming conferences, NPDES, TMDLs, and other Storm water topics can be downloaded.

[www.stormwater-resources.com](http://www.stormwater-resources.com)

**Terrene Institute**

Site contains materials including publications and fact sheets on wet weather issues.

[www.terrene.org](http://www.terrene.org)

**Office of Water – BASINS**

Link to EPA's Office of Water analysis system in performing watershed and water-quality based studies.

<http://www.epa.gov/ost/basins/>

**Massachusetts DEP Bureau of Resource Protection**

Wetlands and Waterways Publications – Storm Water Management Information

There are a number of other useful documents found here as well.

[www.state.ma.us/dep/brp/ww/wwpubs.htm#storm](http://www.state.ma.us/dep/brp/ww/wwpubs.htm#storm)

**Massachusetts DEP Bureau of Resource Protection**

Watershed Management Publications

This site contains a number of publications on watershed management, monitoring, TMDLs, etc.

[www.state.ma.us/dep/brp/wm/wmpubs.htm](http://www.state.ma.us/dep/brp/wm/wmpubs.htm)

**Center of Excellence for Sustainable Development**

Water Efficiency Codes/Ordinances- lists a number of state and model ordinances related to storm water and water conservation.

<http://www.sustainable.doe.gov/>

## Industrial

**SIC Codes**

<http://www.osha.gov/cgi-bin/sic/sicser5>

**NAICS and SIC Code correspondence tables**

<http://www.census.gov/epcd/www/naicstab.htm>

## Construction

**Effluent Guidelines for Construction and Development Industry**

<http://www.epa.gov/OST/guide/construction/>

**International Erosion Control Association** – has an online erosion control training course at their Online Institute.

<http://www.ieca.org>

**USDA National Sedimentation Laboratory  
Revised Universal Soil Loss Equation**

[www.sedlab.olemiss.edu/rusle](http://www.sedlab.olemiss.edu/rusle)

## **BMPs**

### **National Stormwater Best Management Practices Database**

<http://www.bmpdatabase.org/>

### **EPAs Site for Best Management Practices**

Provides links to EPA documents and websites on the topic of BMPs.

<http://www.epa.gov/npdes/menuofbmps/menu.htm>

### **Green Grid Roof system**

Roof-top gardens

<http://www.greengridroofs.com/>

### **Roofscapes, inc.**

Roof-top gardens – has case studies

<http://www.roofmeadow.com/>

### **Uncommon Plants**

Contains links to rooftop gardening with articles and photographs.

<http://www.uncommonplants.com/>

### **Hydrotech**

Contains links to roof-top gardens with information and photographs.

<http://www.hydrotechusa.com/start.htm>

### **Northern Virginia Regional Commission – Environmental Services Division**

Contains links to information on BMPs and other wet weather issues.

<http://www.novaregion.org/enviser.html>

Newsletter – contains articles related to BMPs, TMDLs, and watershed issues

[www.novaregion.org/pdf/NViron13-1.pdf](http://www.novaregion.org/pdf/NViron13-1.pdf)

## **Funding**

### **Funding for Stormwater Programs**

<http://www.epa.gov/owow/nps/funding.html>

### **Federal Commons**

Provides a listing of the GSA catalog of federal grant programs.

[www.cfda.gov/federalcommons](http://www.cfda.gov/federalcommons)

### **Local Government Assistance Network**

Self proclaimed "first-stop shop" providing environmental management, planning, and regulatory information for local government elected and appointed officials, managers and staff.

[www.lgean.org](http://www.lgean.org)

“One-Stop Shop” web site for Federal Grants

[www.lgean.org/html/whatsnew.cfm?id=160](http://www.lgean.org/html/whatsnew.cfm?id=160)

## **Office of the Chief Financial Officer - Environmental Finance Program**

“Answers the ‘How to Pay’ question”

[www.epa.gov/efinpage](http://www.epa.gov/efinpage)

## **The Catalog of Federal Domestic Assistance**

Contains a searchable database to find assistance programs meeting particular requirements and for which a program is eligible. The site also contains aids to guide in writing of a proposal for this assistance. Under “Find Assistance Programs” search for “storm water”.

[www.cfda.gov](http://www.cfda.gov)

## **Catalog of Federal Funding Sources for Watershed Protection**

[www.epa.gov/owow/watershed/wacademy/fund.html](http://www.epa.gov/owow/watershed/wacademy/fund.html)

## **Phase II**

### **EPA Fact Sheets for the Phase II rule**

[http://cfpub.epa.gov/npdes/stormwater/swfinal.cfm?program\\_id=6](http://cfpub.epa.gov/npdes/stormwater/swfinal.cfm?program_id=6)

### **Measurable Goals Guidance for Phase II Small MS4s**

Contains links to: background and regulatory context of the 6 minimum measures, process for developing measurable goals. Examples of BMPs, process for developing a storm water management program, and environmental indicators.

[www.epa.gov/npdes/stormwater/measurablegoals/index.htm](http://www.epa.gov/npdes/stormwater/measurablegoals/index.htm)

## **Education and Outreach**

### **Outreach links**

Provides EPA and non-EPA links to outreach on a number of topics.

<http://www.epa.gov/owow/nps/outreach.html>

### **Stormwater Trust**

Information for stormwater outreach.

<http://www.epa.nsw.gov.au/stormwater/>

### **American Oceans Campaign**

Stormwater resources, educational materials, and links to other sites

<http://www.americoceans.org/runoff/main.htm>

### **National Conference on Tools for Urban Water Resource Management and Protection**

Conference was designed to facilitate the educational process and transfer state of the art information on water quality management and protection tools to state, regional, and local urban water quality practitioners:

<http://www.epa.gov/ORD/WebPubs/nctuw/625r00001.pdf>

### **Video -- constructed wetlands for managing storm water runoff**

[http://eco.pdc.cornell.edu/Green\\_Programs/fredspondvideo.htm](http://eco.pdc.cornell.edu/Green_Programs/fredspondvideo.htm)

**Education BMPs - Pet waste**

From the Chesapeake Bay

<http://www.agnr.umd.edu/MCE/Publications/PDFs/FS703.pdf>

From Canada

[http://www.gov.mb.ca/natres/watres/water\\_guide/petwaste.html](http://www.gov.mb.ca/natres/watres/water_guide/petwaste.html)

**Cooperative Extension Washington State University - Whatcom County Water Resources**

<http://whatcom.wsu.edu/>

Newsletter – discusses various issues with wet weather and discusses pet waste pick up.

<http://whatcom.wsu.edu/environ/water/wwin/winter%202000-01.pdf>

**Project WET – Water Education for Teachers**

<http://www.montana.edu/wwwwet/>

**Water Education Foundation**

Site contains educational materials and resources for information about water resource issues.

<http://www.water-ed.org/>

**Adopt a Stream Foundation**

Educational site that helps teach people to become stewards of their watersheds.

<http://www.streamkeeper.org>

**Oregon Solutions**

Site discusses sustainability in relation to government, citizens and communities, business and economy, environment, and universities. The site also provides tools and resources.

<http://www.oregonsolutions.net/oregon/index.cfm>

**Non-point Education for Municipal Officials (NEMO)**

“An educational program for land use decision makers that addresses the relationship of land use to natural resource protection.”

<http://nemo.uconn.edu/>

## TMDLs

**TMDLs**

EPA site with links to technical support documents, policy documents, training information, regulatory information, etc.

<http://www.epa.gov/owow/tmdl/>

## **Low Impact Development/Smart Growth**

### **Puget Sound On-line – Puget Sound Water Quality Action Team**

Stormwater and CSOs

[http://www.wa.gov/puget\\_sound/Programs/Stormwater.htm](http://www.wa.gov/puget_sound/Programs/Stormwater.htm)

Low impact development in Puget Sound – model Power Point presentation

[http://www.wa.gov/puget\\_sound/Programs/lid\\_cd/ppt\\_page.htm](http://www.wa.gov/puget_sound/Programs/lid_cd/ppt_page.htm)

### **National Governors Association**

Link to document: “New Community Design (NCD) to the Rescue” – “offers a distinct alternative to the developmental "sprawl" that has dominated real estate growth over the last 50 years. NCD principles can be used to create vibrant neighborhoods of housing, parks, and schools within walking distance of shops, civic services, jobs, and transit - in short, a modern version of the traditional American town of times past.”

[http://www.nga.org/center/divisions/1,1188,C\\_ISSUE\\_BRIEF^D\\_2344,00.html](http://www.nga.org/center/divisions/1,1188,C_ISSUE_BRIEF^D_2344,00.html)

### **Low Impact Development**

The non-profit Low Impact Development Center website provides information on conferences, training as well as publications on BMPs and Low Impact Development strategies and design.

[www.lowimpactdevelopment.org](http://www.lowimpactdevelopment.org)

### **Metropolitan Council Environmental Services (MCES)**

MCES supports the Metropolitan Council's (a governmental body in the seven county area around Minnesota's Twin Cities and St. Paul) smart growth mission by protecting the public health and environment and providing customers efficient and effective water resources management.

The site contains an Urban Small Sites Best Management Practice Manual.

[www.metrocouncil.org/environment/watershed/bmp/manual.htm](http://www.metrocouncil.org/environment/watershed/bmp/manual.htm)

### **Chesapeake Bay Program**

Provides an introduction to the Environmentally Sensitive Design Practices (ESDP) Database. Site contains links to ESDPs related to aquatic buffers, site design, erosion and sediment control, land conservation, land use planning, non-storm water discharges, stewardship programs, and storm water management.

<http://www.chesapeakebay.net/data/esdp/mtp1.cfm>

## **Non-Point Source Resources**

### **EPAs Non-Point Source Control Program**

Contains outreach information, publications and information resources, and information on funding opportunities.

<http://www.epa.gov/OWOW/NPS/>

### **Texas Non-point source book**

provides storm water pollution management information to public works professionals and other interested parties in the State of Texas.

<http://www.txnpsbook.org/>

### **Non-point Source Pointers**

Fact Sheets

<http://www.epa.gov/OWOW/NPS/facts/>

### **Guidance Specifying Management Measures for Sources of Non-point Pollution in Coastal Waters**

<http://www.epa.gov/OWOW/NPS/MMGI/>

### **Watershed Chemical Control Standards**

<http://www.epa.gov/OWOW/NPS/MMGI/Chapter4/table428.gif>

### **Draft Guidance on Non-Point Source Reduction**

EPA has put up a draft guidance which is intended to provide technical assistance to State, local, and tribal program managers and others on the best available, economically achievable means of reducing non-point source pollution of surface and ground water through the protection and restoration of wetlands and riparian areas, as well as through the implementation of vegetated treatment systems.

<http://www.epa.gov/owow/nps/wetmeasures/>

### **Non-point Source Urban Library**

Many good reference documents, including model ordinances, low impact development literature, and links to other storm water related sites.

<http://www.epa.gov/owow/nps/urban.html>

### **January 2001, Best Urban NPS Documents, USEPA**

This link highlights some of the best non-point source materials for professionals and the public, includes documents on agriculture, forestry, monitoring, funding, urban, etc.

<http://www.epa.gov/owow/nps/bestnpsdocs.html#urban>

### **EPA Newsletter - Non-Point Source Notes**

<http://www.epa.gov/owow/info/NewsNotes/>

### **Non Point Source Listserver**

<http://www.epa.gov/owow/nps/changes.html>

## **Water Quality**

### **USGS National Water Quality Assessment Program**

Provides links to programs, data, publications, etc. on all aspects of water quality and the human factors that affect the quality of these resources.

[http://water.usgs.gov/nawqa/nawqa\\_home.html](http://water.usgs.gov/nawqa/nawqa_home.html)

### **USGS - National Water Quality Assessment Program (NAWQA)**

Pesticide National Synthesis Project

Contains articles regarding the effects of nutrients and pesticides on water and sediments.

<http://water.wr.usgs.gov/pnsp/>

### **USGS – “The Quality of Our Nations Waters”**

“The first two sections provide a general overview of findings on nutrients and pesticides and their implications for water-resource management and protection. More detailed technical discussions of the sources, distributions, and potential effects of these chemicals are provided in subsequent sections.”

<http://water.usgs.gov/pubs/circ/circ1225/>

### **Stormwater Runoff Science/Engineering Newsletter Devoted to Stormwater-Runoff Water Quality Issues**

List of past newsletters and link to subscribe to emailed newsletter. Newsletters address many aspects of stormwater.

<http://www.gfredlee.com/newsindex.htm>

## **State Storm Water Program Sites**

### **Alabama**

<http://www.adem.state.al.us/>

### **Alaska – Region 10 NPDES Compliance Unit**

<http://yosemite.epa.gov/r10/water.NSF/cafddd656440c6ea882564f4007dd572/8eec09dd913444be882565e000541cb7?OpenDocument>

Division of Air and Water Quality Stormwater Program

<http://www.state.ak.us/local/akpages/ENV.CONSERV/dawq/nps/stormwater.htm>

### **Arizona**

<http://www.adeq.state.az.us/environ/water/index.html>

### **Arkansas**

[http://www.adeq.state.ar.us/water/branch\\_npdes.htm](http://www.adeq.state.ar.us/water/branch_npdes.htm)

### **California**

<http://www.swrcb.ca.gov/stormwtr/index.html>

### **Colorado**

<http://www.cdphe.state.co.us/wq/PermitsUnit/wqcdpmt.html#Stormwater>

### **Connecticut**

<http://dep.state.ct.us/wtr/nps/npsplsum.htm>

### **Delaware**

<http://www.dnrec.state.de.us/dnrec2000/divisions/soil/stormwater/stormwater.htm>

### **Florida**

<http://www.dep.state.fl.us/water/stormwater/index.htm>

### **Georgia**

<http://www.ganet.org/>

### **Hawaii**

<http://mano.icsd.hawaii.gov/doh/eh/cwb/whatsnew.html>

**Idaho**

<http://www2.state.id.us/deq/water/water1.htm>

**Illinois**

<http://www.epa.state.il.us/>

NPDES guidance

<http://www.epa.state.il.us/small-business/need-water-permit.html>

**Indiana**

<http://www.state.in.us/idem/owm/index.html>

<http://www.state.in.us/idem/owm/npdes/guide/section3.html>

**Iowa**

<http://www.state.ia.us/epd/wastewtr/stormwtr/stormwtr.htm>

**Kansas**

<http://www.kdhe.state.ks.us/stormwater/index.html>

**Kentucky**

<http://water.nr.state.ky.us/dow/dwhome.htm>

**Louisiana**

<http://www.deq.state.la.us/index.htm>

**Maine**

<http://janus.state.me.us/dep/blwq/stormwtr/>

**Maryland**

<http://www.mde.state.md.us/environment/wma/stormwatermanual/>

**Massachusetts**

<http://www.state.ma.us/dep/brp/ww/wwpubs.htm#storm>

**Michigan**

[http://www.michigan.gov/deq/1,1607,7-135-3313\\_3682\\_3716---,00.html](http://www.michigan.gov/deq/1,1607,7-135-3313_3682_3716---,00.html)

**Minnesota**

<http://www.pca.state.mn.us/water/stormwater.html>

**Mississippi**

<http://deq.state.ms.us/newweb/opchome.nsf/pages/surfacewater>

**Missouri**

<http://www.dnr.state.mo.us/deq/wpcp/homewpcp.htm>

**Montana**

<http://www.deq.state.mt.us/wqinfo/MPDES/Index.asp>

**Nebraska**

<http://www.deq.state.ne.us>

(Programs, Water Permitting Programs, NPDES, NPDES Program)

**Nevada**

<http://ndep.state.nv.us/bwpc/storm01.htm>

**New Hampshire**

[http://www.des.state.nh.us/water\\_intro.htm](http://www.des.state.nh.us/water_intro.htm)

**New Jersey**

<http://www.state.nj.us/dep/dwq/njpdes.htm>

**New Mexico**

<http://www.nmenv.state.nm.us/>

**New York**

<http://www.dec.state.ny.us/website/dow/mainpage.htm>

Storm Water Management Design Manual

[www.dec.state.ny.us/website/dow/swmanual/swmanual.html](http://www.dec.state.ny.us/website/dow/swmanual/swmanual.html)

**North Carolina**

<http://www.p2pays.org/>

**North Carolina Department of Environment and Natural Resources – Division of Water Quality**  
Storm Water and General Permits Unit

<http://h2o.enr.state.nc.us/su/stormwater.html>

Manuals, Factsheets, Forms, and Documents

[http://h2o.enr.state.nc.us/su/Forms\\_Documents\\_Main.htm](http://h2o.enr.state.nc.us/su/Forms_Documents_Main.htm)

**North Dakota**

<http://www.health.state.nd.us/ndhd/environ/>

**Ohio**

<http://www.epa.state.oh.us/dsw/index.html>

Link to program including stormwater and TMDLs:

<http://www.epa.state.oh.us/dsw/pindex.html>

**Oklahoma**

<http://www.deq.state.ok.us/WQDnew/stormwater/index.html>

**Oregon**

<http://www.deq.state.or.us/wq/>

**Pennsylvania**

<http://www.dep.state.pa.us/dep/deputate/watermgmt/WC/Subjects/NonPoint.htm>

[http://www.dep.state.pa.us/dep/deputate/watermgmt/Wqp/Forms/Forms\\_Home.htm](http://www.dep.state.pa.us/dep/deputate/watermgmt/Wqp/Forms/Forms_Home.htm)

State Proposed Comprehensive Storm Water Management Policy

[www.dep.state.pa.us](http://www.dep.state.pa.us)

**Rhode Island**

<http://www.state.ri.us/dem/programs/benviron/water/permits/ripdes/index.htm>

**South Carolina**

<http://www.scdhec.net/eqc/water/html/swnpdes.html>

**South Dakota**

<http://www.state.sd.us/denr/DES/Surfacewater/stormwater.htm>

**Tennessee**

<http://www.state.tn.us/environment/permits/npdes.htm>

**Texas**

<http://www.tnrcc.state.tx.us/permitting/waterperm/wwperm/tpdestorm.html>

**Utah**

[http://www.deq.state.ut.us/eqwq/dwq\\_home.ssi](http://www.deq.state.ut.us/eqwq/dwq_home.ssi)

**Vermont**

<http://www.vtwaterquality.org/stormwater.htm>

**Virginia**

<http://www.deq.state.va.us/permits/water.html>

**Washington**

<http://www.ecy.wa.gov/programs/wq/wqhome.html>

**West Virginia**

[http://www.dep.state.wv.us/wr/index.cfm?page=OWR\\_Website/permitting/general.main.htm](http://www.dep.state.wv.us/wr/index.cfm?page=OWR_Website/permitting/general.main.htm)

**Wisconsin**

<http://www.dnr.state.wi.us/org/water/wm/nps/index.htm>

**Wyoming**

<http://deq.state.wy.us/wqd/wtrshedpg.htm#point>

## **Municipal Storm Water Program Sites**

**City of Fort Worth, TX –**

<http://ci.fort-worth.tx.us/DEM/stormpg.htm>

**City of Los Angeles Stormwater Program:**

<http://www.lacity.org/SAN/wpd/index.htm>

**City of Portland Environmental Services:**

<http://www.cleanrivers-pdx.org/index.htm>

**Fort Worth City Government links to other municipal storm water programs**

<http://ci.fort-worth.tx.us/dem/stormcontacts.htm>

## **EPA Storm Water Program Sites**

**Region 6 Water Quality Protection Division, NPDES Permits Branch**

<http://www.epa.gov/earth1r6/sws/>

**Region 6 Compliance Assurance and Enforcement Division, Water Enforcement Branch**

<http://www.epa.gov/region6/sw/>

**EPA Office of Water, Office of Wastewater Management**

<http://www.epa.gov/npdes/stormwater/>