

**Oakland County MS4 SWMP Activity Table
Updated 3/11/2026**

Best Management Practice (BMP) Action/Activity	BMP Description/Method of Implementation	Target Audience and Key Message(s) Addressed (PEP Actions Only)	Responsible Department: -OCFM -EDCA -OCPRC -OCHD -WRMD -WRC	Schedule	Measurable Goal(s)	Method of Evaluating Effectiveness
Public Participation/Involvement Program (PPP)						
SWMP Homepage	<p>The WRC has a website devoted to housing Phase II Stormwater permit-related information, including the County's Storm Water Management Plan, at: https://oakgov.com/government/water-resources-commissioner/stormwater/stormwater-management-program-swmp. Visitors to the site will be able to view a digital version of the SWMP and be able to provide input/comment on the plan through an email address or by phone. Comments would be incorporated into future updates of the SWMP, as appropriate.</p> <p>The WRC works collaboratively with watershed partner communities, Cranbrook Institute of Science, SEMCOG, SOCWA, MSU-Extension and the watershed councils. At present, Oakland County is a partner in several subwatershed advisory groups (SWAGs), participates in numerous environmentally-related committees and is a partner in the Collaborative Clinton River Watershed Public Education Plan that is being spearheaded by the Clinton River Watershed Council. The general public would be welcome at any and all of these committee meetings where they can provide their input on SWMP's at any time.</p>	<p><u>Audience:</u> General public, CVTs, county employees</p>	WRC	Ongoing	Maintain the website with the most up to date SWMP information available	<p>Provide working links to SWMP homepage</p> <p>Provide a summary annually of comments received on SWMP and those incorporated in an update to the SWMP</p>
Public Education Plan						
Art-Fish-Fun Festival	<p>The festival is hosted annually in collaboration with WRC, Pure Oakland Water, Clinton River Watershed Council, The Art Experience in Pontiac and the City of Pontiac. A variety of companies, non-profits and community organizations attend to engage the public on environmental topics and activities.</p>	<p><u>Audience:</u> General public, CVTs, county employees</p> <p><u>Key Message(s):</u> PEP Topics A-J</p>	WRC OCPRC	Annually	<p>Minimum of 350 attendees at event annually</p> <p>At least 20 different organizations represented to engage the public on environmental topics</p>	<p>Date of festival and number of attendees</p> <p>Number of companies, non-profits and community organizations that attend</p> <p>Number of volunteers that help with the park cleanup and estimate of amount of trash collected</p>
Blue Planet Jobs: Careers in Water Event	<p>WRC, in partnership with the Oakland Schools Career Readiness Program and the Cranbrook Institute of Science: Freshwater Forum, hold an annual event for 10th and 11th grade students to engage with industry experts to learn about the important careers available related to the natural resource of water. Students participate in four (4) 25-minute interactive presentations from water industry professionals in the areas of engineering, environmental science, and education, non-profits, government, facility operations and the trades.</p>	<p><u>Audience:</u> 10th and 11th grade students</p> <p><u>Key Message(s):</u> PEP Topics A-J</p>	WRC OCPRC CIS MSU-Extension	Annually	Engage at least 150 students annually	Report on number of schools and students attending
Bulletin Boards	<p>Bulletin boards in the WRC Public Works Building main lobby and framed posters in the vestibule of the WRC Water and Sewer Billing Office in Waterford are posted with information developed by the Southeast Michigan Partners for Clean Water on the "Seven Simple Steps to Clean Water" topics. Other related information is posted and/or materials are placed on the front desk of the Public Works Building main lobby for the public/county employees to take.</p>	<p><u>Audience:</u> General public, CVTs, county employees</p> <p><u>Key Message(s):</u> PEP Topics A-J</p>	WRC	Annually	Maintain the postings of messages on the "Seven Simple Steps to Clean Water"	<p>Topics posted are tracked in an excel spreadsheet available upon request</p> <p>Topics posted will be reported annually</p>
Commercial, Industrial and Institutional Entities Stormwater Education	<p>The WRC has a website devoted to providing education on stormwater best management practices for commercial, industrial and institutional entities at: https://oakgov.com/government/water-resources-commissioner/resources/education/pollution-prevention-for-commercial-industrial-and-institutional-properties.</p>	<p><u>Audience:</u> General public, CVTs, county employees</p> <p><u>Key Message(s):</u> PEP Topics A-E, G, J</p>	WRC	Ongoing	Maintain the website with information on stormwater best management practices for commercial, industrial and institutional entities	<p>Provide working links to website</p> <p>Number of website hits</p>
Dirt Doctors Program	<p>The Dirt Doctors Program is an interactive program geared towards 4th and 5th grade students and teaches youth about how individual actions affect our waterways. The program focuses on the importance of soil erosion prevention and watershed stewardship.</p>	<p><u>Audience:</u> General public</p> <p><u>Key Message(s):</u> PEP Topics A-C, F, G, I</p>	WRC	Annually	Minimum of 25 programs annually	<p>Report on the number of students reached</p> <p>Report on the number of events attended</p> <p>Report on the number of presentations given</p>
Drain Detectives Program	<p>The Drain Detectives Program is an interactive program geared towards 4th through 12th grade students. It teaches students how pollution can get into our waterways, what to look for, how to detect it and how to trace the source of the pollution. Students learn how they can help prevent pollution and how to report pollution incidents through Oakland County's 24-Hour Pollution Hotline. Students also learn how water and pollution travel through the watershed.</p>	<p><u>Audience:</u> General public</p> <p><u>Key Message(s):</u> PEP Topics A-C, H</p>	WRC	Annually	Minimum of 5 programs per permit cycle	<p>Report on the number of students reached</p> <p>Report on the number of events attended</p> <p>Report on the number of presentations given</p>
E-newsletter Articles	<p>WRC releases an electronic newsletter to the public, CVTs, elected officials and county employees on a quarterly basis (the E-newsletter has taken the place of the WRC Watermark newsletter).</p> <p>This newsletter keeps Oakland County communities informed on the many projects and services provided by the WRC and highlights some of the WRC's ongoing projects and services. It also provides updates about the evolving role of the WRC office. Oakland County's 24-Hour Pollution Hotline is also published in this newsletter.</p>	<p><u>Audience:</u> General public, CVTs, elected officials, county employees</p> <p><u>Key Message(s):</u> PEP Topics A-C, G, I, J</p>	WRC	Published quarterly	Minimum of 4 newsletters annually	<p>Track environmental articles published in the E-newsletter</p> <p>Report on the number of people that receive the E-newsletter</p>
Enviroscape Watershed Model Program	<p>The Enviroscape watershed model teaches students about watersheds and how individual actions affect our waterways, as well as how pollution moves throughout a watershed. Students are taught how to prevent pollution through everyday actions.</p> <p>The Enviroscape is also made available to the public to borrow for presentations.</p>	<p><u>Audience:</u> General public</p> <p><u>Key Message(s):</u> PEP Topics A-J</p>	WRC	Annually	Minimum of 10 programs annually	<p>Report on the number of students reached</p> <p>Report on the number of events attended</p> <p>Report on the number of presentations given</p>
Green Stormwater Infrastructure (GSI) Education	<p>The WRC will provide education on GSI topics such as the benefits of rain gardens, native plants, trees and rain barrels as a means of reducing the quantity of stormwater runoff and improving the quality of our water resources, while at the same time improving wildlife habitat and aesthetics.</p> <p>The WRC also hosts a website on GSI: https://oakgov.com/government/water-resources-commissioner/stormwater/green-infrastructure.</p>	<p><u>Audience:</u> General public, CVTs, elected officials, county employees</p> <p><u>Key Message(s):</u> PEP Topic I</p>	WRC	Ongoing	<p>Participate in one virtual Master Rain Gardener Certification Training Course each year</p> <p>Maintain working links to websites promoting the use and benefits of GSI</p>	<p>Report annually:</p> <p>Provide working links to websites</p> <p>Number of website hits</p> <p>Number of participants in annual virtual Master Rain Gardener Certification Training Course</p>
Household Hazardous Waste Recycling Program	<p>Continue to publicize information on the NO HAZ, Resource Recovery and Recycling Authority of Southwest Oakland County (RRRASOC) and Southeastern Oakland County Resource Recovery Authority (SOCRRA) programs to citizens and employees of Oakland County on WRMD's website (www.nohaz.com). NO HAZ, RRRASOC and SOCRRA provide safe disposal of household hazardous waste to Oakland County municipalities to the maximum extent practicable (as budget allows).</p> <p>The WRC will continue to distribute HHW brochures.</p> <p>WRC also has information in its Waterfront Wisdom publication and on their website at www.oakgov.com/riparian.</p>	<p><u>Audience:</u> Residents</p> <p><u>Key Message(s):</u> PEP Topic A, G</p>	WRMD WRC	Annually	<p>Maintain working links to websites</p> <p>Hold a minimum of four collection events per year</p> <p>Collect and properly dispose of a minimum of 200,000 pounds of household hazardous waste per year</p>	<p>Report annually:</p> <p>Provide working links to websites</p> <p>Number of website hits</p> <p>Number of brochures distributed</p> <p>Pounds of waste collected through recycling programs</p>
Inland Lake Education Program	<p>EGLE and MSU-Extension have spearheaded the development of the Michigan Natural Shoreline Partnership (MNSP). Each year, education and outreach is provided to inland lake homeowners and shoreline landscape contractors on the following topics: the importance of natural shoreline landscapes on Michigan's inland lakes, healthy lake ecosystems, understanding the shoreline, shoreline invasive plants, planning a natural shoreline landscape, design ideas for a natural shoreline landscape, plant selection, planting stock and site preparation, natural shoreline success, and Michigan rules and regulations. Information about the Partnership is available online at: https://www.shorelinepartnership.org/.</p>	<p><u>Audience:</u> General Public, Riparian Landowners</p> <p><u>Key Message(s):</u> PEP Topics A-J</p>	EGLE MSU-Extension	Annually	Continue to promote the Partnership within Oakland County	<p>Report annually:</p> <p>Working link to website on WRC's website</p>

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Interpretive Signage	Signage at county parks will be installed indicating their location within their watershed and other stewardship and water quality information.	Audience: General public Key Message(s): PEP Topics A-C, I, J	OCPRC EDCA	As funding permits	Install a minimum of five interpretive signs per permit cycle throughout Oakland County	Report on signage installed and the content of the signage
Invasive Species Management and Education and Outreach	Invasive species management is an important topic in Oakland County - namely in regard to the inland invasive plant, Phragmites australis, and numerous aquatic invasive plants. Often, residents are looking for direction on how to manage these invasive species and these requests are fulfilled in a variety of ways, including printed materials, websites and workshops. The Oakland County CISMA is a partnership of county and local governments, non-profit organizations and universities with a focus on managing the spread of numerous invasive species. Information on the Oakland County Cooperative Invasive Species Management Area (CISMA) is available online at: https://oaklandinvasivespecies.org/ .	Audience: Residents Key Message(s): PEP Topic A, J	WRC OCPRC EDCA ROCC Other partners in Oakland County: Oakland County CISMA MI Dept. of EGLE	Annually	Continue to provide educational resources to interested residents throughout Oakland County	Report annually: -Invasive species management practices implemented on Oakland County properties -Number of requests for information regarding invasive species management -Working links to websites with invasive species information
Kids' Clean Water Calendar Contest	The Kids' Clean Water Calendar contest is open to 4th and 5th grade students in all schools within Oakland County. Themes for drawing entries surround the Seven Simple Steps to Clean Water campaign topics developed by SEMCOG. The contest promotes the students to learn about watershed stewardship and how our daily actions impact our waterways. Contest details are available on WRC's website at: www.oakgov.com/calendarcontest	Audience: General public Key Message(s): PEP Topics A-J	WRC	Annually in October	Achieve participation of a minimum of 600 students per year Distribute a minimum of 5,000 calendars per year throughout Oakland County	-Report on the number of student entries -Report on the number of calendars distributed -Report on the number of schools and school districts that participated
Lake Improvement Board Assistance	Continue to serve (as required by statute) on Lake Improvement Boards acting as a liaison between the Lake Improvement Board and the WRC for technical expertise and public education opportunities and materials.	Audience: General public Key Message(s): PEP Topics A, J	WRC	Annually	Continue participation on 50 Lake Improvement Boards throughout Oakland County	Report on number of lake improvement boards and requests for public education materials
Master Rain Gardener Certification Program (Virtual)	The Master Rain Gardener Program was developed to teach homeowners all they need to know about how to build a rain garden with the goal of reducing stormwater runoff, improving infiltration and water quality, and creating wildlife habitat. This virtual program is hosted annually with partners including Oakland and Washtenaw County WRC, the Huron River Watershed Council, Clinton River Watershed Council, Friends of the Rouge, River Raisin Watershed Council and the Huron-Clinton Metroparks. More information about the program can be found online at: www.MasterRainGardener.org .	Audience: General Public, Riparian Landowners Key Message(s): PEP Topics A, B and I	WRC Watershed Councils	Annually	Achieve participation of at least 50 homeowners per year	- Report on dates for program annually - Report on the number of attendees - Report on the amount of stormwater managed and green infrastructure practices in place through the online mapping tool
Michigan Green Schools Program	This program was signed into law at the state level in 2006. The program encourages public and private schools to participate in energy savings and environmental activities to be designated as "Michigan Green Schools". Information on the program for Oakland County is available on Oakland Schools' website at: https://www.oakland.k12.mi.us/student-programs/environmental	Audience: K-12th grade students and teachers Key Message(s): PEP Topics A-C, E-G, I, J	WRMD Oakland Schools	Annually	Achieve participation of 175 Schools from Oakland County	-Number of Oakland County schools in program
Natural Resources Education Program	Special programs are offered by OCPRC staff throughout the year which provide opportunities for the community to participate in ongoing stewardship efforts. Programs take place at the Oakland County Parks as well as other locations in Southeast Michigan.	Audience: General public, visitors to the area Key Message(s): PEP Topics A, J	OCPRC	Annually	Hold a minimum of 10 stewardship events per year with participation from a minimum of 200 individuals per year	-Report on the number and types of events held -Report on the number of participants involved in stewardship activities
Oakland County Environmental Stewardship and Water Resource websites	WRC, EDCA, OCPRC and MSU-Extension Oakland County maintain environmental stewardship and/or water resource information on their websites at: EDCA: https://www.oakgov.com/community/community-development/environmental-stewardship WRC: www.oakgov.com/riparian WRC 24-Hour Pollution Hotline: https://oakgov.com/government/water-resources-commissioner/stormwater/24-hour-pollution-hotline OCPRC: https://oakgov.com/community/oakland-county-parks/get-involved/natural-resources-management MSU-Extension: https://www.canr.msu.edu/natural_resources/ Office of Sustainability: https://www.oakgov.com/community/sustainability In FY 2018, Oakland County Information Technology developed a Seven Simple Steps to Clean Water Story Map and that is available at: https://oakgov.maps.arcgis.com/apps/Cascade/index.html?appid=167f95c655d4408e94b73096db93387 ; a link to the Story Map is on WRC's "Seven Simple Steps to Clean Water" website at: https://oakgov.com/government/water-resources-commissioner/resources/education/seven-simple-steps-to-clean-water . The page also promotes the 24-Hour Pollution Hotline and viewers can explore land use changes from 1940 vs. 2017 imagery within Oakland County.	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A-J	WRC EDCA OCPRC ROCC MSU-Extension	Annually	Maintain working links to websites	-Provide working links to websites
Oakland County Trail Network (OakRoutes) Mapping	Continue to update and distribute the Oakland County Trail Network (OakRoutes) map at: https://www.oakgov.com/home/showpublisheddocument/44/638023898641100000 . The Oakland County 24-Hr Pollution Hotline information is on this updated map. The OakRoutes map and additional Regional Trail information is highlighted on an updated website available at: https://oakgov.com/community/oakland-county-parks/parks-trails/trails	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A, C	OCPRC EDCA	Annually	Provide updates to the OakRoutes map once per permit cycle	-Report on updates to OakRoutes map
Onsite Sewage Disposal (Septic System) Maintenance Education	Proper onsite sewage disposal system (OSDS) operation and maintenance is a critical part of protecting water quality within Oakland County. There are more than 80,000 households/businesses served by OSDS' within Oakland County. The Oakland County Health Dept. currently permits the installation of septic systems in Oakland County. They have a website dedicated to septic system permitting and other related information at: https://www.oakgov.com/community/health/public-health-services/environmental-health/onsite-sewage-disposal-system-septic . MSU-Extension also hosts a website with information related to septic system maintenance at: https://www.canr.msu.edu/septic_system_education/ .	Audience: General public, riparian landowners Key Message(s): PEP Topics A, C, H, J	WRC OCHD MSU-Extension	Annually	Maintain working links to websites	-Number of website hits -Provide working link to websites -Report on public education ads/information published/distributed
Presentations and Displays	OC partners will provide displays and presentations for water quality-related events upon request and availability of staff time.	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A-J	WRC EDCA OCHD - Environmental Health Services (EHS) OCPRC MSU-Extension	Annually	Provide a display at a minimum of six (6) events per year Provide a minimum of six (6) presentations per year on various natural-resource related topics	-Number and types of events attended
Publicize Environmental-Related Events	Publicize environmental stewardship and other relevant environmental activities to WRC staff and the general public in WRC's main office lobby, the WRC's Facebook page and its website at: https://www.oakgov.com/government/water-resources-commissioner/about/events . Oakland County Parks posts event on its website at: https://www.oakgov.com/community/oakland-county-parks/events .	Audience: General Public, visitors to the area, WRC staff Key Message(s): PEP Topic A	WRC OCPRC	Annually	Publicize a minimum of 20 natural-resource related events per year Maintain working links to websites	-Number of events publicized through various avenues (WRC website, Facebook page, lobby, etc.) -Provide working links to websites -Numbers of website hits

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Recreational Use/Access	Continue efforts to provide access to lake, riparian and wetland habitats through universally accessible trails, piers and boardwalks.	-	OCPRC	Annually	Add or improve recreational access/use to a minimum of one (1) one Oakland County site per permit cycle	Report on the number and location of new access locations
Recreational Vehicle Waste Dumpsites	Provide a link to Michigan RV dump sites (https://www.sanidumps.com/) on Oakland County Waste Resource Management Division's website at: https://www.oakgov.com/community/community-development/waste-recycling/waste-recycling-resources (under the "Statewide" dropdown, then click on "Recreational Vehicle Dump Stations in Michigan")	Audience: Residents, visitors to the area Key Message(s): PEP Topic G	WRMD SEMCOG	Annually	Maintain working links to websites	Provide working links to websites
Regional Public Education Efforts	Continue to participate in the Southeast Michigan Partners for Clean Water group and support/share the resources available from this group, including: Seven Simple Steps to Clean Water brochures, tip cards and kids activity sheets. Topics include: fertilizer, car care, pet care, household hazardous waste disposal, earth-friendly landscaping, water conservation and storm drain awareness. Materials from the "Our Water. Our Future. Ours to Protect" campaign materials are distributed on an ongoing basis.	Audience: General public Key Message(s): PEP Topics A-J	WRC	Annually	Maintain postings of Seven Simple Steps to Clean Water materials throughout the year at various Oakland County buildings	Track the number and type of materials distributed
Regional Stormwater Summit	This annual event, which debuted in 2013, features presentations on stormwater and watershed initiatives in the southeast Michigan and the Great Lakes region that are relevant in helping communities work together and gain insight into addressing the region's stormwater and watershed management challenges.	Audience: General public Key Message(s): PEP Topics A-C, G, I, J	WRC	Annually in the Fall (September/October)	Achieve 100 participants annually	Date event held and number of participants Featured speakers and speaker topics
Riparian Information Distribution	Distribute riparian landowner educational material (i.e. Waterfront Wisdom brochure) at events, meetings, and through mailings Maintain WRC's riparian education website at: www.oakgov.com/riparian	Audience: General Public, Riparian Landowners Key Message(s): PEP Topics A-J	WRC	Annually	Maintain working links to websites Distribute a minimum of 100 Waterfront Wisdom booklets per year	Number of brochures/other materials distributed Number of riparian website hits
River Day Events	Oakland County partners will host and/or participate in and promote River Day events as staff time allows.	Audience: General public, County employees Key Message(s): PEP Topics A-G, I, J	WRC OCPRC	Annually	Achieve a minimum of two county-sponsored events per year.	Number and type of River Day Events held/participated in
School Program - Clinton River Water Festival at Oakland University	Participate in the Clinton River Water Festival at Oakland University, providing staff for event planning, registration, volunteer guiding and presentations as funding and staff time permits. This water festival educates students in the Oakland County portion of the Clinton River watershed.	Audience: 5th grade students, teachers and chaperones Key Message(s): PEP Topics A-G, I, J	WRC OCPRC OCHD MSU-Extension	Annually in May	Achieve participation of 1,100 students per year, plus 150 adults, chaperones and teachers and 100 volunteers. Oakland County department's to present to a minimum of 4 classes per event.	Track participation level at event for planning, presentations, volunteer guiding
School Program - Detroit River Water Festival on Belle Isle (Fall) and the Detroit International Wildlife Refuge (Spring)	Participate in the Detroit River Water Festival on Belle Isle in the Fall and the Detroit International Wildlife Refuge in the Spring, providing staff for volunteer guiding and/or presentations as funding and staff time permits. This water festival educates students in the Detroit River watershed.	Audience: 5th grade students, teachers and chaperones Key Message(s): PEP Topics A-G, I, J	WRC	Annually in May and September	Present to a minimum of 4 classes per event.	Track participation level at event for presentations and/or volunteer guiding
School Program - Lake Erie Water Festival in Monroe	Participate in the Lake Erie Water Festival in the Spring, providing staff for volunteer guiding and/or presentations as funding and staff time permits. This water festival educates students in the Lake Erie watershed.	Audience: 5th grade students, teachers and chaperones Key Message(s): PEP Topics A-G, I, J	WRC	Annually in May	Present to a minimum of 4 classes per event.	Track participation level at event for presentations and/or volunteer guiding
School Program - Lake St. Clair Water Festival at Macomb Community College	Participate in the Lake St. Clair Water Festival, providing staff for presentations as funding and staff time permits. This water festival educates students in the Macomb County portion of the Clinton River watershed.	Audience: 4th and 5th grade students, teachers and chaperones Key Message(s): PEP Topics A-G, I, J	WRC	Annually in May	Achieve participation of 1,500 participants. Present the EnviroScape and Dirt Doctors programs to a minimum of 4 classes per event.	Track participation level at event for presentations and volunteer guiding
School Program - Rouge River Water Festival at Cranbrook Institute of Science	Participate in the Rouge River Water Festival at Cranbrook, providing staff for event planning, registration, volunteer guiding and presentations as funding and staff time permits. This water festival educates students in the Oakland County portion of the Rouge River watershed.	Audience: 4th and 5th grade students, teachers and chaperones Key Message(s): PEP Topics A-G, I, J	WRC OCPRC OCHD MSU-Extension	Annually in September	Achieve participation of 1,500 participants. Oakland County department's to present to a minimum of 4 classes per event.	Track participation level at event for planning, presentations, volunteer guiding
Seven Simple Steps to Clean Water Facebook Outreach Campaign	Public education messages in line with SEMCOG's Seven Simple Steps to Clear Water are posted on Facebook. The ads also link up to WRC's Seven Simple Steps to Clear Water Storymap, found at: https://oakgov.maps.arcgis.com/apps/Cascade/index.html?appid=1676f95c659d408e94bf73096db93387	Audience: General public, riparian landowners Key Message(s): PEP Topics A-J	WRC	April through September	Publicize at least three (3) different topics in ads per year Reach a minimum of 10,000 readers per year	Report analytics annually on each ad topic: - Reach (# of people who saw the ad) - Impressions (# of times the ad appeared on someone's page) - Link Clicks (amount of people who clicked our "Learn More" button and went to our Seven Simple Steps Storymap) Provide Working Link to Storymap: https://oakgov.maps.arcgis.com/apps/Cascade/index.html?appid=1676f95c659d408e94bf73096db93387
Solid Waste Plan (Materials Management Plan)	Continue to implement Oakland County's Solid Waste Plan which establishes an enforceable program and processes that when implemented will minimize future adverse impacts upon public health, the environment and the landscape as a result of the generation, handling, processing and disposal of Act 451, Part 115 non-hazardous solid wastes. Information is available at: https://www.oakgov.com/community/community-development/waste-recycling/solid-waste-plan	Audience: Residents Key Message(s): PEP Topic A, G	WRMD	Annually	Provide working link to website	Status of Solid Waste Plan update Provide working link to website Track number of website hits annually

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Storm Drain Markers/Stenciling Program	The WRC has storm drain stencils available for use by community groups, CVT's, etc. The WRC will implement storm drain marker installation at the County complex as staff time allows.	Audience: General public, County employees, CVTs Key Message(s): PEP Topics A-C	WRC	Annually	Install five storm drain markers per year.	Number and location of storm drain markers/stencils installed
Technical Support	WRC will provide technical support, equipment, information and referrals to water quality-related interest groups, committees and councils - upon request and as staffing time permits.	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A-J	WRC	Annually	Respond to a minimum of 20 requests for natural resource-related information per year.	Report on technical support provided
Wastewater Treatment Plant/RTB Tours	Provide tours at WRC's wastewater treatment plants and/or George W. Kuhn RTB in order to educate the public about how wastewater is treated and recycled back to the environment.	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A-J	WRC	Throughout the year	Provide at least (2) tours of WRC's WWTP's or RTB per year.	Report on number and location of WWTP/RTB tours annually and how many people attended the tours
Watershed Council Support	WRC supports the work of the Huron River Watershed Council, the Clinton River Watershed Council and the Friends of the Rouge by monetarily supporting their organizations and the work that they do to inform and educate the public on watershed stewardship.	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A-J	WRC	Annually	Maintain monetary support to watershed councils annually.	Report on monetary donations to each watershed group
Watershed Group/CVT Support	WRC staff attend SEMCOG's Partners for Clean Water meetings and other watershed group meetings, as appropriate. Information related to stormwater management topics and related outreach and education opportunities is also shared to watershed group/stormwater contacts by WRC as they become available. WRC also provides a link to its biennial MS4 progress report for CVTs to utilized as a supplement to their MS4 reporting.	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A-J	WRC	Throughout the year	Share at least five (5) stormwater-related events and/or public education and outreach opportunities per year. Provide working link to Oakland County's biennial MS4 progress report every two years.	Report on meetings attended Provide working link to Oakland County's MS4 biennial progress report Number of website hits to WRC's Phase II Stormwater website.
Watershed Signage	Watershed signage promotes awareness of the public about the location of local water resources and the watershed that they live in/are visiting. The WRC no longer has a formal signage installation program, but they share information with CVTs regarding the vendor information for sign purchases and will help to coordinate appropriate watershed signage locations, as requested.	Audience: General public, visitors to the area Key Message(s): PEP Topics A, B	WRC	Annually	Respond to requests for information on watershed signage in a timely manner.	Number of watershed signs installed to date Number of requests for watershed signage information
Workshops/Seminars	Attend workshops on various water quality/quantity programs, practices and policies. OS will make their facilities available for workshops/seminars as requested and as budget and schedule allow.	Audience: General public, CVTs, county employees Key Message(s): PEP Topics A-J	WRC EDCA OCFM	Annually	Attend and/or host a minimum of ten workshops/seminars annually.	Report on workshop/seminars held and attended
Illicit Discharge Elimination Plan						
Adopt-A-Road/Adopt-a-Highway Clean-up Program	Continue management and participation in the Adopt-a-Road/Highway cleanup programs.	-	WRC OCFM	Annually	Remove and properly dispose of a minimum of 250 cubic yards of trash annually. Maintain participation of at least 200 groups in the Adopt-a-Road program.	Cubic yards of waste collected Number of volunteers Number of volunteer cleanup days
Beach Monitoring Program	The OCHD performs E. coli sampling at various beaches of Oakland County lakes during the bathing beach season. Information is available on their website at: https://www.oakgov.com/community/health/public-health-services/environmental-health/beaches	-	OCHD	During bathing beach season	Minimum of 40 lakes sampled per beach season. Minimum of 50 beaches sampled per beach season. Minimum of 300 sampling events per beach season. Minimum of 1,000 individual samples evaluated per beach season. Decreased number of beach closures each year. Minimum of 20 CVTs included in monitoring program.	Report annually: -Number of lakes sampled -Number of beaches sampled -Number of sampling events -Number of individual samples -Number of beach closures -Number of CVTs included in monitoring program
Complaint Tracking, Investigation and Notification and Reporting	Provide a means for public reporting of environmental complaints via established WRC 24-Hour Pollution Hotline and OCHD complaint reporting mechanisms. Provide for investigations of storm drain, road drain and septic-related complaints. Promote the use of complaint hotline numbers internally to staff and externally to communities and citizens.	-	OCHD WRC OCPRC OCFM	Annually	Identify the number of complaints that resulted in the identification and elimination of illicit discharges. Continue publicizing the 24-Hour Pollution Hotline to inform and educate the public on how to detect and report illicit discharges.	Report annually: -Number of complaints received -Number of complaints investigated -Number of illicit discharges discovered -Number of illicit discharges corrected -Number of failed OSDS reported and corrected Include a summary of activities to promote use of complaint numbers and any training / education provided on pollution hotline
Combined Sewer Overflow (CSO) Retention Treatment Basin (RTB) Operation	Continue operation of four CSO RTB's in compliance with NPDES permit. The four facilities include Acacia Park, Bloomfield Village, Birmingham and George W. Kuhn.	-	WRC	Annually	Strive to meet 100% compliance with NPDES Permit limitations for the RTBs.	Report on the amount of gallons of treated combined sewage discharged annually Report on the % compliance with NPDES permit limitations for the RTBs
Dry Weather Screening Activities at Known Outfall and Discharge Point Locations	WRC, OCFM and OCPRC has created a schedule for dry weather screening activities.	-	WRC OCFM OCPRC	As per OC MS4 IDEP	Continue to perform Outfall and DP surveying as per Illicit Discharge Elimination Program Work Instructions and Guidelines	Report changes to schedule annually

Oakland County MS4 SWMP Activity Table
Updated 3/11/2026

Best Management Practice (BMP) Action/Activity	BMP Description/Method of Implementation	Target Audience and Key Message(s) Addressed (PEP Actions Only)	Responsible Department: -OCFM -EDCA -OCPRC -OCHD -WRMD -WRC	Schedule	Measurable Goal(s)	Method of Evaluating Effectiveness
Electronics Recycling Event	Oakland Schools and Oakland County occasionally partner to offer an electronics recycling event in an effort to provide a safe way for Oakland County residents to properly dispose of unwanted electronics. Oakland County's NOHAZ program also collects electronics for recycling as part of that effort.	Audience: Residents Key Message(s): PEP Topic G	Oakland Schools EDCA	Annually	Collect a minimum of 40,000 pounds of electronics annually	Report on the amount of electronics collected and recycled annually
Goose Management	Implement goose management techniques on County properties to protect water quality from excess nutrients and bacteria.		OCPRC OCFM	Annually	Continued use of program throughout the year, as needed.	Report on the location of County properties utilizing a goose management program and the frequency of use of the program
Household Hazardous Waste Recycling Program	Continue to publicize information on the NO HAZ, Resource Recovery and Recycling Authority of Southwest Oakland County (RRRASOC) and Southeastern Oakland County Resource Recovery Authority (SOCRRA) programs to citizens and employees of Oakland County on WRMD's website (www.nohaz.com). NO HAZ, RRRASOC and SOCRRA provide safe disposal of household hazardous waste to Oakland County municipalities to the maximum extent practicable (as budget allows). The WRC will continue to distribute HHW brochures. WRC also provides an ad on household hazardous waste disposal in the Lakefront Lifestyles magazine and has information in its Waterfront Wisdom publication and on their website at www.oakgov.com/riparian .	Audience: Residents Key Message(s): PEP Topic A, G	WRMD WRC	Annually	Maintain working links to websites Hold a minimum of four collection events per year Collect and properly dispose of a minimum of 200,000 pounds of household hazardous waste per year	Report annually: -Provide working links to websites -Number of website hits -Number of brochures distributed -Pounds of waste collected through recycling programs
IDEP Investigations	Perform investigations to locate sources of illicit discharges found during discharge point surveys, storm drain inventories, facility and property surveys and complaint investigations.		WRC OCPRC OCFM OCHD	Annually	Identify the number of illicit discharges discovered through dry weather screening and complaints and strive to meet 100% removal of illicit discharge sources as soon as practicable. Continue to report measurable quantities of pollutants removed through IDEP.	Report annually: -Number of illicit discharges discovered -Location of discharges -Type of pollutants -Estimates of amounts of pollutants discharged -Source of discharge (if known) -Agency responsible for investigation -Status of investigation
IDEP Training	Provide training of inspectors necessary to perform discharge point surveys, drain inventories, illicit discharge investigations and illicit discharge elimination activities. Provide illicit discharge detection, notification and complaint system training for county staff.		WRC OCFM OCHD OCPRC	Training for new employees within first year of employment; Training for existing employees at least once every five (5) years	Continue to train appropriate staff within each permit cycle.	Report annually on training conducted and persons receiving training
Illicit Connection and Discharge Elimination	Perform inspections of Oakland County MS4's, properties and facilities, as necessary, to locate illicit connections and pollutant sources contributing to illicit discharges. Verify status of discharges referred to other local, county and State agencies for follow-up action.		WRC OCPRC OCFM OCHD	Annually	Identify the number of illicit discharges discovered through dry weather screening and complaints and strive to meet 100% removal of illicit discharge sources as soon as practicable. Continue to report measurable quantities of pollutants removed through IDEP.	Report annually: -Locations of facilities inspected -Number and types of illicit connections discovered -Number of illicit connections eliminated -Enforcing agencies involved -Corrective actions taken -Status of elimination -Estimated amounts of pollutants eliminated
MS4 Discharge Point/Outfall Database	Work with the WRC, OCFM and OCPRC to create a GIS-based database for tracking IDEP progress on Oakland County owned and operated stormwater conveyance systems. The WRC will make the database available to other Oakland County departments and divisions for population.		WRC	Updating the database is an ongoing task	Migrate existing DP/Outfall data into GIS and/or from GIS into CAMS.	Report annually on database status.
Oakland Brownfield Initiative	Continue facilitating the Oakland Brownfield Initiative which serves to protect the County's natural resources, particularly critical water and waterways, while restoring the environment and urban vitality. Information is available on the WRMD's website at: https://www.oakgov.com/community/community-development/brownfield-initiative		WRMD	Annually	Increase the number of projects in the program and the amount of investment money leveraged annually.	Report annually: -Number of properties in program -Number of properties with environmental assessment work started or completed -Monies leveraged -Cleanup monies leveraged
Oakland County Facilities with OSDS	OSDS' at Oakland County facilities will be properly operated and maintained. The following facilities have an OSDS: OCPRC maintains six (6) OSDS' as outlined in their respective Operations & Maintenance Manual. WRC: -Island Club Condominiums in Commerce Township -Woodbridge Lake Estates in Walled Lake -Belle Ann Falls Estates in Ortonville -Lower Pettibone Lake Community Septic in Highland Township -Addison Oaks Park Lagoon System (maintained by WRC) -Springfield Oaks Park (maintained by WRC) -Grovefield Oaks County Park (maintained by WRC)		OCPRC WRC	Annually	Continue to properly maintain OSDS to ensure there are no illicit discharges from these systems.	Report maintenance annually
Oakland County Onsite Sewage Disposal System (OSDS) Program	OCHD will continue to authorize issuance of permits for new OSDS and investigate and seek correction for reported failing systems. They have a website dedicated to septic system permitting and other related information at: https://www.oakgov.com/community/health/public-health-services/environmental-health/onsite-sewage-disposal-system-septic		OCHD	Annually	Continue septage hauler and septage receiving station inspection programs. Continue to assist CVTs in assessing a property's ability to support OSDS'. Continue to administer OSDS permitting program and perform OSDS failure evaluations.	Utilize existing OSDS program databases and quarterly reporting process to EGLE.
Operation Medicine Cabinet	The Oakland County Sheriff's Office launched "Operation Medicine Cabinet" in July of 2009 to provide citizens a venue to properly dispose of expired and/or unused prescriptions at several different locations throughout Oakland County. This program helps to reduce the environmental impacts of prescription drugs in our waterways that can have detrimental effects on fish, frogs and other aquatic life. Additional information is available at: https://www.oakgov.com/government/sheriff/community-services/domestic-safety/fsiteid-18/ under the Operation Medicine Cabinet drop-down.	Audience: General public Key Message(s): PEP Topic G	OC Sheriff's Office and Participating CVTs	Annually	Maintain participation of a minimum of 20 drop-off sites throughout Oakland County	Report on the number and location of participating CVTs Provide working link to website Track number of website hits annually
Spill/Non-Stormwater Release Response	Implement spill response procedures that address pollution discharges impacting surface waters, county drains and facility pollutant spills. The spill response procedure addresses containment, source identification, source removal, notification and reporting.		WRC OCFM OCPRC	Annually	Continue to perform Spill Response, as appropriate, per Spill Response Procedures	WRC, OCFM and OCPRC Spill response procedures available upon request
Verify New Connections - Prevent Illicit Connections	For new construction and/or reconstruction projects of storm drains and sanitary sewers managed by WRC, proper connections are verified by WRC inspection staff.		WRC	Annually	Continue to verify proper connections for new storm and sanitary sewer hookups and drain taps to County drains	Report number of connections inspected annually
Wastewater Treatment Plant Operation	Continue operation of five wastewater treatment plants (WWTPs) in compliance with discharge permits. The five WWTPs include Walled Lake-Novis, Commerce Township, Pontiac, Brandon Schools and Lyon Oaks Golf Center Nibbler System.		WRC	Annually	Continue to maintain 100% compliance with NPDES permits	Report on the amount of treated wastewater discharged from the WWTP's annually Report on compliance status with NPDES permits

Construction Stormwater Runoff Control

Oakland County MS4 SWMP Activity Table
Updated 3/11/2026

Best Management Practice (BMP) Action/Activity	BMP Description/Method of Implementation	Target Audience and Key Message(s) Addressed (PEP Actions Only)	Responsible Department: -OCFM -EDCA -OCPRC -OCHD -WRMD -WRC	Schedule	Measurable Goal(s)	Method of Evaluating Effectiveness
Soil Erosion and Sedimentation Control Program	WRC – The WRC is responsible for Administering the Soil and Sedimentation Control Act, Part 91 of PA 451 of 1994, as amended and is an approved CEA and APA. The purpose of the legislation is to minimize erosion and control sedimentation to protect the water and air resources. The WRC is a designated County Enforcing Agency by EGLE for the communities in Oakland County that do not have local coverage. OCFM/OCPRC – Continue to include soil erosion requirements in project specifications and to direct contractors to the WRC or local MEA for soil erosion requirements and permits.	-	WRC OCFM OCPRC	Annually	Continue to effectively administer the SESC program as a CEA and APA and maintain an "approved" status upon being audited by EGLE	Report annually: -Number of trained/certified inspectors on staff -Number of single-family and commercial SESC permits issued -Provide working link to WRC's SESC Manual -Track soil erosion complaints and follow-up actions in CAMS
Post-Construction Stormwater Runoff Controls for Development and Redevelopment						
Community Master Plan Review	Oakland County is mandated under Michigan law to review all Master Plans and Master Plan amendments prior to adoption. The County also reviews township rezonings where the property abuts a community boundary or County-owned property. The Land Use and Zoning staff reviews these plans and rezonings and submits a recommendation to the Oakland County Coordinating Zoning Committee (CZC).	-	EDCA	Annually	Continue to perform plan reviews, as required	Report on number of master plans and target area plans reviewed
Dams	WRC operates and maintains 36 dams that control the levels of 54 lakes. WRC has two full time technicians who visit each dam at least weekly to maintain the level to the court-ordered lake level. Each dam is inspected every three (3) years. WRC has emergency action plans for eight (8) of the dams as required by the State's Dam Safety Act. Information on lake levels is available on the WRC website at: https://oakgov.com/government/water-resources-commissioner/stormwater/lakes-watersheds/lake-level-information	-	WRC	Annually	Continue to effectively operate lake level controls to maintain legal lake levels, and perform the necessary dam inspections to ensure their safety	Report on the number of dams operated -Emergency action plans available upon request
Drainage District Mapping	Continue to map all drainage districts in GIS. These will serve as catchments within the subwatersheds that have an established legal entity and apportionment. These legal subwatershed groups can serve as models to other subwatersheds.	-	WRC	Annually	Continue to map drainage districts, as appropriate	Report on drainage districts mapped each year
Stormwater Standards	The WRC has developed and adopted updated stormwater engineering design standards to ensure that new and redevelopment projects that meet certain applicability criteria incorporate water quality and quantity protection. The standards are available on the WRC website at: https://oakgov.com/government/water-resources-commissioner/stormwater/stormwater-engineering-design-standards . The WRC employs various staff to review construction plans for mobile home parks, platted subdivisions, any involvement with County Drains or their easements, or drain district enlargements as required by the Drain Code.	-	WRC OCFM OCPRC	Annually	Updated stormwater design standards available in early 2016	Report annually: -Provide MS4 Post-Construction Tracking Data Report -Report on status and availability of updated stormwater standards or other related policies
USGS Stream Flow Gauges	Continue to financially support one (1) USGS stream gage in Oakland County that monitors stage and flow. The station includes: - Clinton River at Auburn Hills The data can be accessed from the USGS website at: https://waterdata.usgs.gov/nwis/uv704161000 .	-	WRC	Annually, as budget allows	Continue to fund USGS gage station in Oakland County Provide working link to USGS website data	-Number of gage stations financed -Working link to USGS website data -Annual expenditures on gage operation
WRC Projects Under Development, Under Construction and Recently Completed	The WRC implements any number of projects involving drinking water distribution, wastewater treatment, sanitary sewage systems, and storm drainage systems to protect water quality and ensure a safe drinking water supply for many residents throughout Oakland County. Summaries on all of these projects are provided on the WRC's website at: https://oakgov.com/government/water-resources-commissioner/projects .	-	WRC	Annually	Continue to publicize planned, current and finalized projects implemented by the WRC	-Provide working link to project website
Pollution Prevention and Good Housekeeping for Municipal Operations						
Employee/Contractor Training						
Employee/Contractor Training Related to Stormwater Management Activities	Existing employees/contractors to receive training once within 5-year permit cycle, at minimum. New employees to receive training within first year of employment. Training to include appropriate topics such as storm drain awareness, illicit discharge detection and elimination and ground maintenance, as applicable.	-	WRC OCPRC OCFM	Existing employees/contractors to receive training once within 5-year permit cycle New employees to receive training within first year of employment	Continue to train appropriate staff within each permit cycle.	-Number of employees/contractors trained and type of training received -Documentation of pollution prevention language in best management practice detail sheets or bid specs to protect water quality.
Pollution Prevention and Good Housekeeping for Municipal Operations						
Maintenance Activities for Stormwater Structural Controls						
Bar Screen Cleanout	Bar screens are cleaned to remove debris that would create backups in the storm drain system.	-	WRC	Bar screens are cleaned following rain events or as-needed. Annually	Continue to clean bar screens per scheduled maintenance programs in place	Report annually on: -Number of bar screens cleaned
Catch Basin Cleaning	WRC - Catch basins are inspected on a 5-year cycle; basins will be cleaned when sump is no more than 50% full. OCPRC - Catch basins are inspected annually; basins will be cleaned when sump is no more than 50% full. OCFM - Catch basins inspection program is under development, but it's expected they will be inspected every 3 years; Basins will be cleaned when sump is no more than 50% full.	-	WRC OCFM OCPRC	Catch basins are cleaned when sump is no more than 50% full	Continue to inspect per schedule and clean when sump is no more than 50% full; properly dispose of the waste	Report on number of catch basins cleaned annually -Report on yards of debris/waste that was properly disposed of
Stormwater Detention/Retention Basin Maintenance and Inspections	WRC stormwater detention basin maintenance program includes the maintenance of a listing of all Chapter 18 stormwater detention basins under WRC's jurisdiction. Field staff inspect each basins' forebay, inlet, outlet, overflow structure and pond banks. Maintenance needs are identified on the inspection form and work orders are issued to implement the necessary repair. OCPRC and OCFM inspect basins under their jurisdiction annually.	-	WRC OCPRC OCFM	WRC - Triennially OCPRC/OCFM - Annually	Continue to inspect and/or clean detention/retention basins as needed/scheduled and properly dispose of the waste	-Report on number of inspections and maintenance activities performed annually
Pump Station Maintenance	Approximately 140 storm and sanitary pump stations are operated and maintained by WRC's Pump Maintenance Unit staff to ensure proper operation.	-	WRC	-Small pump stations are inspected every 2 weeks -Large pump stations are inspected 3-5 times per week -Wet wells and bar screens are cleaned twice per year -Bar screens are cleaned after each significant rain event	Continue to inspect and/or clean bar screens and wet wells as needed/scheduled and properly dispose of the waste	Report annually on pump maintenance activities
Sanitary Sewer Maintenance and Inspections	Perform routine inspections of WRC-owned or operated sanitary sewer systems to ensure proper operation and prevent overflows and/or release of sewage to surface waters.	-	WRC	-Interceptors are inspected on a 3-yr cycle -Laterals are inspected every 5-10 years -Frequencies of inspections are specified in the contract between WRC and the community served by the system	Continue to perform inspection and maintenance on sanitary sewer systems to protect water quality	Report annually on: -Number of systems inspected -Number of systems repaired -Report on yards of debris/waste that was properly disposed of -Reports are available upon request
Stormwater Detention/Retention Basin Maintenance and Inspections	WRC stormwater detention basin maintenance program includes the maintenance of a listing of all Chapter 18 stormwater detention basins under WRC's jurisdiction. Field staff inspect each basins' forebay, inlet, outlet, overflow structure and pond banks. Maintenance needs are identified on the inspection form and work orders are issued to implement the necessary repair.	-	WRC OCFM OCPRC	WRC: Inspections conducted on a 5-year cycle; topographic surveys conducted on a 10-15 year cycle OCFM: Inspections conducted annually OCPRC: Inspections conducted annually	Continue to perform detention/retention inspections and maintenance as needed/scheduled	Report annually on: -Number of systems inspected -Number of systems repaired -Report on yards of debris/waste that was properly disposed of -Reports are available upon request

Oakland County MS4 SWMP Activity Table
Updated 3/11/2026

Best Management Practice (BMP) Action/Activity	BMP Description/Method of Implementation	Target Audience and Key Message(s) Addressed (PEP Actions Only)	Responsible Department: -OCFM -EDCA -OCPRC -OCHD -WRMD -WRC	Schedule	Measurable Goal(s)	Method of Evaluating Effectiveness
Storm Drain Maintenance and Inspections	Perform routine inspections of WRC-owned or operated storm drains. Storm structures are inspected for leaks, illegal connections, root intrusions, evidence of chemicals or oil, deterioration or other repairs needed. The downstream line condition is also inspected for needed repairs including settlement, cleaning, surface restoration and others. Open ditches are inspected for evidence of sedimentation, blockage or improper function. Inspectors record findings on field reports and generate repair sheets for any corrective actions required. During maintenance activities, WRC staff comply with proper procedures to protect the drain from erosion, minimize the amount of solids entering the drain, stabilize stream banks and protect aquatic habitat.	-	WRC OCFM OCPRC	WRC: Inspections conducted on a 5-year cycle OCFM: Inspections conducted on a 3-year cycle OCPRC: Inspections conducted annually	Continue to perform storm drain system inspections and maintenance as needed/scheduled	Report annually on: -Number of certified storm water operators on staff -Number of structures inspected -Number of drains inspected -Number of structural repairs completed -Reports are available upon request
Pollution Prevention and Good Housekeeping for Municipal Operations						
Controls Used for Reducing or Eliminating Discharges of Water and Pollutants from Streets and Maintenance Garages						
Fleet Maintenance and Storage Yards	Implement SWPPP's, PIPP's and/or SPCC's, as applicable, to prevent pollution from maintenance garages and storage yards. Programs will address: -salt and chemical storage, vehicle washing (minimize pollution from runoff that may contain nutrients, metals, suspended solids and hydrocarbons) and maintenance (vehicle/motorized equipment fluids including used oil recycling, antifreeze recycling, containment and leak pads) and spill response.	-	WRC OCFM OCPRC	Annually	Ensure PIPPs, SWPPPs and SPCCs are updated and implemented, as appropriate OCFM and OCPRC to maintain certification under the Michigan Turfgrass Environmental Stewardship Program (MTESP)	Report annually on compliance status of each county department's SWPPP, PIPP and or SPCC documents Report on use of "green" cleaning products Report on certification status under the MTESP Documents available upon request
Road Salt Application	OCFM is responsible for winter maintenance on the County campus (roads, parking lots and sidewalks). Salt is stored at the Grounds Maintenance facility on Public Works Drive in Waterford. There is one salt storage area which is a covered bin that holds approximately 800 tons of bulk rock salt. The nearest storm drain has a geotextile fabric insert in place. The area is kept clean with the loader by scraping the pavement and placing loose salt back into the covered bin and then the area is swept with a rotary broom. Hook-lift trucks are used so either salt brine or bulk rock salt can be applied. The brine application is controlled from the cab of the truck and can be set to apply brine between 40 and 120 gallons per acre. The brine is manufactured in our garage. It is set to a salinity of 23.3% which is the optimum melting brine concentration. One ton of salt creates 780 gallons of salt brine. The brine is also stored in our garage inside containment. The floor drains in the shop are hooked to the sanitary sewers. Up to a day before snow or ice are predicted, all paved surfaces have an anti-icing salt brine application of 40 gallons per acre. This helps to prevent snow and ice from bonding to the pavement. Plowing begins at 1.5 inches and continues until the storm is complete. After the storm, a de-icing salt brine is applied at 60 to 80 gallons per acre to melt any residue left from plowing. The only time bulk salt is used is during ice storms. Bulk salt and salt brine lose 95% of their effectiveness when the pavement temperatures are below 18°F. A product called Headwaters Hot is added to the salt brine. It is added at 5 to 20% depending on pavement temperatures. This can increase the effectiveness of the salt brine to 5°F below zero. Since using almost 100% salt brine on our walks and parking lots, salt usage has been reduced by 80%. OCFM developed an Integrated Contingency Plan (SWPPP, PIPP and SPCC combined) and is available upon request.	-	OCFM	Annually (winter)	Continue to ensure that salt spreading equipment is regularly calibrated to minimize salt use while effectively maintaining safe conditions on roadways and parking lots Ensure Integrated Contingency Plan is updated and implemented, as appropriate	Report on the BMPs in place to prevent stormwater runoff contamination from salt storage areas -Integrated Contingency Plan (ICP) available upon request
Street Sweeping Programs	Continue to conduct street sweeping on roads and parking lots under County jurisdiction.	-	OCFM	OCFM: Campus streets and parking lots swept in spring and fall, at minimum WRC/OCPRC: Street sweeping is not specifically conducted at WRC/OCPRC facilities as they do not receive inundation of sediment build-up along curb lines in parking lots. General good housekeeping and turf maintenance activities help to keep parking lots clear of debris and trash on a regular basis; however, special attention will be given to ensuring that catch basin grates and surrounding curb and gutter areas are free of debris and accumulated sediment in all parking lots.	Continue to perform street sweeping, as needed, to protect water quality	Report on cubic yards of debris removed and properly disposed of
Waste Reduction Program	Oakland County Facilities Management has been recycling waste office paper generated in County buildings and facilities for over 20 years. For much of that time that waste paper has gone to Royal Oak Recycling, who is one of the largest independent recyclers in the Midwest. Their processing facility in Royal Oak Michigan has one of the largest and fastest shredding and baling machines in the country. Facilities Management has had a successful recycling program because of the commitment of County employees to set aside their office paper waste in special containers provided by Royal Oak Recycling.	-	OCFM OCPRC WRC	Annually	Continue paper, cardboard and battery recycling programs in the County	-Number of pounds of paper recycled annually -Amount of batteries recycled annually -Description of the different types of materials recycled annually
Pollution Prevention and Good Housekeeping for Municipal Operations						
Managing Vegetated Property						
Fertilizer Use	Continue the use of slow-release nitrogen fertilizer and/or low- or no-phosphorus fertilizer. Conduct soil testing to determine nutrient needs of turf.	-	OCFM OCPRC	Annually	Continue the use of slow-release nitrogen fertilizer and/or low or no-phosphorus fertilizer. Conduct soil testing, as needed	Report annually on the types of fertilizer used and soil testing performed
Greenbelt Maintenance	Maintain a "no-mow" and "fertilizer-free" buffer zone along MS4's.	-	OCFM OCPRC	Annually	Continue to implement no-mow and fertilizer-free buffer areas adjacent to waterways	Report on location of no-mow and fertilizer-free buffer areas
Irrigation Practices	Continue to pursue technologies to reduce water consumption for irrigation on the County campus.	-	OCFM	Annually	Continue to implement the Hydrowise system.	Report on the use of technologies to reduce water consumption for irrigation
Mowing Practices	Follow mowing practices that save energy and maximize infiltration potential.	-	OCFM WRC OCPRC	Annually	Continue to mow high and implement no-mow zones adjacent to waterways	Report on mower blade height Report on location of "no-mow zones"
Pesticide Applications	Ensure that staff and contractors are certified pesticide applicators. Practice integrated pest management (IPM) techniques for both indoor and outdoor operations.	-	OCFM OCPRC	Annually; OCFM and OCPRC staff recertified every 3 years	Continue to ensure proper certification credentials for pesticide applicators and practice integrated pesticide management (IPM)	Report on staff trained as certified pesticide applicators
Prescribed Burn Program	Oakland County Parks and Recreation Commission actively manages their natural areas with the use of prescribed burns in an effort to restore both upland and wetland natural areas and improve habitat quality within the parks. The timing of burns is carefully planned to minimize risk to park wildlife. The burns reduce shrubby invasives, release nutrients to the system, and facilitate microhabitat that favors native forbs, grasses, sedges and wildflowers.	-	OCPRC	Annually	Perform prescribed burns on a minimum of 500 acres of park properties per year.	Report on the location and amount of park properties managed with prescribed burns annually
Turf Management Training	Participate in the Michigan Turfgrass Environmental Stewardship Program (MTESP)	-	OCPRC OCFM	Annually	Continue to maintain certification under the MTESP	Report on the number of personnel trained and the number of OC parks certified under the MTESP, and OCFM's role on the Oakland County Complexes current certification in the program.

Oakland County MS4 SWMP Activity Table
Updated 3/11/2026

Best Management Practice (BMP) Action/Activity	BMP Description/Method of Implementation	Target Audience and Key Message(s) Addressed (PEP Actions Only)	Responsible Department: -OCFM -EDCA -OCPRC -OCHD -WRMD -WRC	Schedule	Measurable Goal(s)	Method of Evaluating Effectiveness
Total Maximum Daily Load (TMDL) Implementation						
TMDL Plan Implementation	Oakland County will implement its approved TMDL Plan and report on water quality data collected and evaluation of the effectiveness of the BMPs implemented as part of the TMDL plan. The plans is available on the WRC's SWMP website at: https://oakgov.com/government/water-resources-commissioner/stormwater/stormwater-management-program-swmp .	-	WRC OCPRC OCFM Partner Agencies	Annually	Continue to implement the approved TMDL plan	Report on water quality data collected and evaluation of the effectiveness of the BMPs implemented as part of the TMDL plan.