

TABLE 4-1 MCM1: PUBLIC EDUCATION & OUTREACH:

Permit holders must implement a public education program to distribute educational materials to the community and/or conduct outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

BMP Intent	Best Management Practice / Activity	BMP #	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
<p>Provide public education to increase awareness of what constitutes poor stewardship of storm water as a resource. The education and outreach plan will focus on topics such as reducing pollution from lawn and gardening activities, improper disposal of household hazardous wastes, illegal disposal activities, pet wastes, improper handling and disposal of trash, restaurant activities, and automotive activities. Increased education will ultimately result in decreased pollution.</p>	<p>Educate the audience about the causes of storm water pollution and the things they can do to reduce this pollution. (See Appendix E for Public Education and Outreach Program, including detailed list of Measurable Goals for BMP 1-1.a)</p>	<p>1-1.a</p>	<p>Develop & Implement a comprehensive Education & Outreach Plan for the entire region targeting all ages, ethnic classes, and ethnic groups</p>	<p>X</p>					<p>Date plan completed and implemented</p>	<p>MRSWMP Group in partnership with MBNMS</p>
		<p>1-1.b</p>	<p>Review & revise "Year 1 Public Education & Outreach Plan" to maximize efficiency in audience reached, and address current contaminants impacting water quality. Changes will be based on input from the public, volunteer monitoring network data, budgetary constraints, and contaminants of concern or audiences not covered as in depth in prior years.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>Date plan revisions are put into place</p>	<p>MRSWMP Group in partnership with MBNMS</p>

TABLE 4-1 MCM2: PUBLIC PARTICIPATION & INVOLVEMENT:

The public should be included in developing, implementing, and reviewing the permit holder's storm water management program. The permit holders should make efforts to reach out and engage all economic and ethnic groups within their permit boundaries.

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
Increase public awareness of what constitutes poor stewardship of storm water as a resource and increase public actions such as reporting of problems to authorities. This ultimately will result in decreased pollution.	Encourage general public and stakeholder involvement in identifying and solving storm water management problems by holding two publicly advertised "Public Involvement Workshops" per a year. Public advertisement will be via local newspapers, city websites, community calendars, and/or MRSWMP email list serve. (See Appendix F for Public Participation and Involvement Program)	2-1.a	Draft annual report will be posted on website and in city offices 1 week prior to Workshop No. 1 for review by public.	X	X	X	X	X	All written public comments submitted and notes taken at workshop will be considered for inclusion in the annual report and kept on file.	MRSWMP Group & MS4 Administration

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<p>Increase public awareness of what constitutes poor stewardship of storm water as a resource and increase public actions such as reporting of problems to authorities. This ultimately will result in decreased pollution.</p>	<p>Encourage general public and stakeholder involvement in identifying and solving storm water management problems by holding two publicly advertised "Public Involvement Workshops" per year. Public advertisement will be via local newspapers, city websites, community calendars, and/or MRSWMP email list serve. (See Appendix F for Public Participation and Involvement Program)</p>	<p>2-1.b</p>	<p>Workshop #1 to be held annually in July/August prior to Annual Report submission to explain the Phase II Permit objectives and solicit public input on the success of the current BMPs and Measurable Goals. (Note: In year one no draft annual report will have been prepared for review at Workshop #1, as year one will have just begun. Consequently this Workshop in year one will focus on general overview of Phase II requirements, and BMPs selected to increase overall awareness and knowledge of Phase II program by the general public.)</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>40 participants per workshop</p>	<p>MRSWMP Group</p>

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<p>Increase public awareness of what constitutes poor stewardship of storm water as a resource and increase public actions such as reporting of problems to authorities. This ultimately will result in decreased pollution.</p>	<p>Encourage general public and stakeholder involvement in identifying and solving storm water management problems by holding two publicly advertised "Public Involvement Workshops" per a year. Public advertisement will be via local newspapers, city websites, community calendars, and/or MRSWMP email list serve. (See Appendix F for Public Participation and Involvement Program)</p>	<p>2-1.c</p>	<p>Workshop #2 to be held in March/April annually: (<u>Note</u>: Workshop in year one will either focus on general overview of Phase II requirements, and BMPs selected to increase overall awareness and knowledge of Phase II program by the general public, or will focus on a specific target audience and associated contaminants of concern. The decision on the focus for this year one Workshop will be based on knowledge and experience gained by the Permittees from carrying out the MRSWMP up to the time this Workshop is scheduled.)</p>	<p>X</p>				<p>40 participants per workshop</p>	<p>MRSWMP Group</p>	

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<p>Increase public awareness of what constitutes poor stewardship of storm water as a resource and increase public actions such as reporting of problems to authorities. This ultimately will result in decreased pollution.</p>	<p>Encourage general public and stakeholder involvement in identifying and solving storm water management problems by holding two publicly advertised "Public Involvement Workshops" per a year. Public advertisement will be via local newspapers, city websites, community calendars, and/or MRSWMP email list serve. (See Appendix F for Public Participation and Involvement Program)</p>	<p>2-1.d</p>	<p>Workshop #2 to be held in Mar-April annually: Workshop in years 2-5 will focus on a specific target audience and associated contaminants of concern. Topic/audience will be chosen each year based on historical contaminants of concern for industries common to permit jurisdiction area, volunteer monitoring network data, and topic/audience not chosen the prior year. Priority will be given to Attachment 4 listed industries.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>40 participants per workshop</p>	<p>MRSWMP Group</p>

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<p>Increase public awareness of what constitutes poor stewardship of storm water as a resource and increase public actions such as reporting of problems to authorities. This ultimately will result in decreased pollution.</p>	<p>Encourage general public participation in programs and activities designed to promote understanding and awareness of storm water pollution, such as cleanup events and restoration activities. (See Appendix F for Public Participation and Involvement Program)</p>	2-2.a	<p>Provide financial sponsorship support for Annual Coastal Cleanup Day in Monterey County or other local beach clean up efforts.</p>	X	X	X	X	X	Annual financial sponsorship of jurisdiction wide event	MRSWMP Group
		2-2.b	<p>Recruit volunteers through municipal employee base for Annual Coastal Clean Up Day or other local clean up efforts.</p>	X	X	X	X	X	Each permit holder to recruit volunteers through two separate agency channels; e.g. email, paycheck stuffers, internal newsletters, etc.	MS4 Administration
		2-2.c	<p>Provide support for, or assistance with storm drain stenciling through volunteer recruitment & dedicating MRSWMP allocated hours by MBNMS staff</p>	X	X	X	X	X	X	520 allocated MBNMS staff hours by MRSWMP Group. Financial support for supplies to be provided by each permit holder as needed within their jurisdiction.

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<p>Increase public awareness of what constitutes poor stewardship of storm water as a resource and increase public actions such as reporting of problems to authorities. This ultimately will result in decreased pollution.</p>	<p>Encourage general public participation in programs and activities designed to promote understanding and awareness of storm water pollution, such as cleanup events and restoration activities. (See Appendix F for Public Participation and Involvement Program)</p>	<p>2-2.d</p>	<p>Provide financial support for, and assistance with volunteer monitoring programs such as: Urban Watch, First Flush, or other storm water quality protective programs</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>\$500 annual contribution by group and each permit holder to recruit volunteers through two separate agency channels; e.g. email, paycheck stuffers, internal newsletters, etc.</p>	<p>MRSWMP Group & MS4 Administration</p>

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<p>Collaborate and participate in ongoing volunteer water quality monitoring efforts by becoming an active participant in the Citizen Water Quality Monitoring Network. This will ensure collaboration and participation in the ongoing volunteer water quality monitoring efforts and give permit holders a clearer understanding of the contaminants of concern in their jurisdiction.</p>	<p>Become an active participant in the Citizen Water Quality Monitoring Network (See Appendix F for Public Participation and Involvement Program)</p>	<p>2-3.a</p>	<p>A representative from the MRSWMP group will attend each monitoring network meeting and report back to permit holder group. Permit holders will also recruit volunteers through employee and citizen group channels, websites, and / or newsletters to participate in volunteer network monitoring activities.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>100% of monitoring network meetings to be attended annually by member of MRSWMP group and each permit holder to recruit volunteers through at least two channels within their agency; e.g. email, paycheck stuffers, internal newsletters, etc.</p>	<p>MRSWMP Group & MS4 Administration.</p>

TABLE 4-1 MCM3: ILLICIT DISCHARGE DETECTION & ELIMINATION:

EPA recommends that the plan to detect and address illicit discharges (discharges to storm drains and sewers that are not composed entirely of storm water) include the following four components: procedures for locating priority areas likely to have illicit discharges; procedures for tracing the source of an illicit discharge; procedures for removing the source of the discharge; and procedures for program evaluation and assessment.

BMP Intent	Best Management Practice / Activity	BMP #	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
Promote the reporting of illicit discharges by having a system for receiving such reports.	Create a unified place for public to call in potential illicit discharges (See Appendix G)	3-1.a	Create agreement with 1800CLEANUP as single call-in center to report illicit discharges by zip code	X					Date agreement went live.	MRSWMP Group
		3-1.b	Advertise call-in number on MRSWMP generated media and educational materials	X	X	X	X	X	Advertised on a minimum of 8 different media pieces: 4 in English, 4 in Spanish	MRSWMP Group

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
<p>Promote the reporting of illicit discharges by having a system for receiving such reports.</p>	<p>Create a unified place for public to call in potential illicit discharges (See Appendix G)</p>	<p>3-1.c</p>	<p>Each permit holder will create an internal protocol for handling reports of potential illicit discharges within their zip code. Calls into the 1800CLEANUP # will be directed by zip code to a phone number for a specific permit holder response contact person. There will be both a "during work hours" and "after hours" phone number for each permit holder. Callers will be instructed to call 911 in the case of any immediate hazards. Each permit holder will be responsible for logging, investigating, and responding to each call. Documentation will be kept on the response and outcome of the reported incident.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>Date protocol developed and in use.</p>	<p>MRSWMP Group w/MS4 Administration</p>

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1 2 3 4 5	Measurable Goals.	Implementers
Promote the reporting of illicit discharges by having a system for receiving such reports.	Create a unified place for public to call in potential illicit discharges (See Appendix G)	3-1.d	Using protocol developed under BMP 3-1.c, investigate and take appropriate action on each report that is received.	X X X X X	100% of all reports of illicit discharge investigated and report on outcome of each case in the form of "closed", "ongoing enforcement", or "still investigating source".	MS4 Administration
Have accurate storm drain maps to help locate illicit discharges and/or dischargers.	Storm water system mapping (See Appendix G)	3-2.a	Develop a storm drain system map showing the location of all outfalls and the names and locations of all waters of the state and other MS4s that receive discharges from those outfalls	20% minimum 20% minimum 20% minimum 20% minimum 20% minimum	100 % of MRSWMP jurisdiction to be mapped by end of permit year 5.	MS4 Administration
Reduce pollution from illicit connections and/or discharges.	Inventory of businesses and industries to be monitored for illicit connections and/or discharges (See Appendix G)	3-2.b 3-3.a	Update maps annually to include new facilities as appropriate. Create inventory of all Attachment 4 listed businesses and industries to be monitored for potential illicit connections and/or discharges	X X X X X	Date maps were revised Date inventory was completed.	MS4 Administration MS4 Administration

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Reduce pollution from illicit connections and/or discharges.	Revise current inspection programs to include determination of the existence of illicit connections and/or discharges; i.e., sewer overflows, fluid dumping in catch basins etc. (See Appendix G)	3-4.a	Develop inspection checklist	X					Date inspection list was agreed upon by MRSWMP group	MRSWMP group	
		3-4.b	Develop protocol for taking action against identified illicit connectors / dischargers	X					Date protocol was agreed upon	MRSWMP Group and MS4 Administration	
		3-4.c	Create specific illicit connection training program & materials for municipal employees and inspectors	X						Materials distributed to 100% of appropriate municipal public works department heads for distribution to employees / inspectors	MRSWMP Group and MS4 Administration
		3-4.d	Inspect businesses for illicit connections through existing municipal inspections and employee awareness		Inspect businesses for illicit connections through existing municipal inspections and employee awareness	X			X	Minimum of 5% of inventoried businesses per year	MS4 Administration
		3-4.e	Create hotline for public reporting of illicit connections		Create hotline for public reporting of illicit connections	X				See BMP 3-1.a	MRSWMP Group
		3-4.f	Develop protocol for responding to reported illicit connections		Develop protocol for responding to reported illicit connections	X				See BMP 3-1.c	MS4 Administration

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<p>Reduce pollution from illicit connections and/or discharges.</p>	<p>Revise current inspection programs to include determination of the existence of illicit connections and/or discharges; i.e., sewer overflows, fluid dumping in catch basins etc. (See Appendix G)</p>	<p>3-4.g</p>	<p>Take action as necessary to eliminate 100% of the illicit connections that are identified in this year</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>100% of all reports of illegal connections investigated and report on outcome of each case in the form of "closed", "ongoing enforcement", or "still investigating source".</p>	<p>MS4 Administration</p>

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Reduce pollution from illegal disposal activities	<p>Adopt an ordinance with standards for storm water pollution prevention.</p> <p>Ordinance to include definitions of illegal disposal activities, including requirements pertaining to mat wash downs, hood cleaning, etc., and requiring firms to notify Public Works of all such cleaning activities, with penalties for violations. Ordinance will also outline responsibility for any clean up determined necessary. (See Appendix H)</p>	3-5.a	<p>The intention is to develop a single template ordinance which will be adopted by each municipality and will cover all aspects of storm water pollution and prevention associated with illegal disposal activities.</p> <p>For MS4 urban areas meeting the Phase II Permit Attachment 4 criteria, their final adopted ordinance will have to meet subject criteria.</p>	X					Date template ordinance agreed upon	MS4 Administration in cooperation with MRSWMP group
	Develop illegal disposal definitions and policies and procedures guidance document (See Appendix G)	3-5.b	Develop template guidance document for illegal disposal activity policies and procedures	X					Date guidance document completed	MRSWMP Group
BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
		3-5.c	Adopt guidance document revised to be specific to each permit holder's needs by each permit holder	X					Date revised guidance document adopted by MS4	MS4 Administration

Reduce pollution from illegal disposal activities	Develop illegal disposal definitions and policies and procedures guidance document (See Appendix G)	3-5.d	Adopt ordinance revised to be specific to each permit holder's needs through appropriate City Council procedures	X	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Date ordinance adopted by MS4	MS4 Administration
		3-5.e	Train appropriate staff on the adopted ordinance			X	X	X	100 % of existing appropriate staff trained by year 3, then all new employees every year after that	MS4 Administration
		3-5.f	Implement ordinance			X	X	X	Date ordinance implemented	MS4 Administration
		3-6.a	Create list of all RV & boat storage and launch areas where discharges potentially could take place	X					Date complete inventory created	MS4 Administration
		3-6.b	Create inspection list for use when inspecting RV & boat storage and launch areas		X				Date checklist created	MRSWMP Group
		3-6.c	Inspect each RV and boat storage and launch area annually, and take action to correct any observed violations of the discharge ordinance				X	X	100% of RV & boat use areas inspected annually	MS4 Administration
BMP Intent	Best Management Practice / Activity	BMP #	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers

<p>Inform employees, businesses, and the general public of the hazards that are generally associated with illegal discharges and improper disposal of waste.</p>	<p>Implement a permit boundary-wide education program addressing the negative effects on water quality through illegal discharges, improper waste disposal and other non-storm water discharges.</p>	<p>3-7.a</p>	<p>See BMP 1-1.a and Appendix E for Public Education and Outreach Program</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>Date plan completed and implemented</p>	<p>MRSWMP Group in partnership with MBNMS</p>
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TABLE 4-1 MCM4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL:

The permit holders must develop a program to control the discharge of pollutants from construction sites = 1 one acre size. The program must include review of Storm Water Pollution and Prevention Plans, inspection of construction sites and enforcement actions against violators.

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<p>Reduce pollution from construction sites by developing guidelines and standards for construction site runoff. These will address erosion and sediment controls, and shall contain requirements for construction site operators to: implement appropriate erosion and sediment control BMPs; to control waste that may cause adverse impacts to water quality such as discarded building materials, concrete truck washout, paint and plastering wash down, chemicals, litter, and sanitary waste at the construction site.</p>	<p>Adopt an ordinance with standards for storm water pollution prevention associated with construction activities.</p> <p>Ordinance to include standards for general construction site waste management for construction activities as defined by the General Construction Storm Water Permit. (See Appendix H)</p>	<p>4-1.a</p>	<p>The intention is to develop a single template ordinance which will be adopted by each municipality and will cover all aspects of storm water pollution and prevention associated with construction activities.</p> <p>For MS4 urban areas meeting the Phase II Permit Attachment 4 criteria, their final adopted ordinance will have to meet subject criteria.</p>	<p>X</p>					<p>Date template ordinance was completed</p>	<p>MS4 Administration in cooperation with MRSWMP group</p>
<p>BMP Intent</p>	<p>Best Management Practice / Activity</p>	<p>BMP#</p>	<p>Implementation Plan</p>	<p>Permit Yr 1</p>	<p>Permit Yr 2</p>	<p>Permit Yr 3</p>	<p>Permit Yr 4</p>	<p>Permit Yr 5</p>	<p>Measurable Goals.</p>	<p>Implementers</p>

<p>Reduce pollution from construction sites by developing guidelines and standards for construction site runoff. These will address erosion and sediment controls, and shall contain requirements for construction site operators to: implement appropriate erosion and sediment control BMPs; to control waste that may cause adverse impacts to water quality such as discarded building materials, concrete truck washout, paint and plastering wash down, chemicals, litter, and sanitary waste at the construction site.</p>	<p>Develop construction site BMP policies and procedures guidance document (See Appendices H and I)</p>						4-1.b	Develop template construction site BMP policies and procedures guidance document	X			Date guidance document completed	MRSWMP Group
		4-1.c	Adopt guidance document revised by each permit holder to be specific to each permit holder's needs	X			Date revised guidance document adopted by MS4	MS4 Administration					
		4-1.d	Adopt ordinance revised to be specific to each permit holder's needs through appropriate City Council procedures	X			Date ordinance adopted by MS4	MS4 Administration					
		4-1.e	Train appropriate staff on the adopted ordinance	X	X	X	100 % of existing appropriate staff trained by year 3, then all new employees every year after that	MS4 Administration					
		4-1.f	Implement ordinance and guidance document.	X			Date ordinance implemented	MS4 Administration					

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<p>Reduce pollution from construction sites by developing guidelines and standards for construction site runoff. These will address erosion and sediment controls, and shall contain requirements for construction site operators to: implement appropriate erosion and sediment control BMPs; to control waste that may cause adverse impacts to water quality such as discarded building materials, concrete truck washout, paint and plastering wash down, chemicals, litter, and sanitary waste at the construction site.</p>	<p>Develop and implement procedures for site plan review, including consideration of potential water quality impacts (See Appendix I)</p>	4-2.a	<p>Develop site plan review procedures using reference materials such as the CASQA (California Storm Water Quality Association) BMP Handbooks for revisions to plans.</p>	X					Date site plan procedures went in place	MS4 Administration in cooperation with MRSWMP group
		4-2.b	Train appropriate staff of procedures		X	X	X	100 % of existing appropriate staff trained by year 3, then all new employees every year after that	MS4 Administration	
	<p>Develop and implement procedures for site inspection and enforcement of BMP control measures (See Appendix I)</p>	4-2.c	Implement new site plan review procedures		X	X	X	Date of implementation	MS4 Administration	
		4-3.a	Develop ranking criteria and site inspection procedures	X				Date ranking criteria and site inspection procedures were in place	MS4 Administration in cooperation with MRSWMP group	

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<p>Reduce pollution from construction sites by developing guidelines and standards for construction site runoff. These will address erosion and sediment controls, and shall contain requirements for construction site operators to:</p> <p>implement appropriate erosion and sediment control BMPs; to control waste that may cause adverse impacts to water quality such as discarded building materials, concrete truck washout, paint and plastering wash down, chemicals, litter, and sanitary waste at the construction site.</p>	<p>Develop and implement procedures for site inspection and enforcement of BMP control measures. (See Appendix I)</p>	4-3.b	Create progressive enforcement protocol	X					Date enforcement protocol in place	MS4 Administration in cooperation with MRSWMP group
		4-3.c	Train appropriate staff on procedures	X	X	X	X	X	100 % of existing appropriate staff trained by year 2, then all new employees every year after that, with periodic refresher training provided to staff after their initial training	MS4 Administration
		4-3.d	Inspect the construction sites subject to the storm water pollution prevention ordinance per ranking criteria and procedures developed in BMP 4-3.a, and take appropriate action to have any observed violations corrected		X	X	X	X	X	100% implementation of goals set in ranking criteria developed in BMP 4-3.a

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<p>Reduce pollution from construction sites by developing guidelines and standards for construction site runoff. These will address erosion and sediment controls, and shall contain requirements for construction site operators to: implement appropriate erosion and sediment control BMPs; to control waste that may cause adverse impacts to water quality such as discarded building materials, concrete truck washout, paint and plastering wash down, chemicals, litter, and sanitary waste at the construction site.</p>	<p>Develop and implement procedures for receipt and consideration of information submitted by the public regarding storm water runoff impacts associated with construction projects.</p>	<p>4-4.a</p>	<p>Develop procedures for receipt of information from public (Cover under BMP 3-1.a) (See Appendix G)</p>	<p>X</p>					<p>Date procedures in place</p>	<p>MS4 Administration in cooperation with MRSWMP group</p>

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<p>Reduce pollution from construction sites by developing guidelines and standards for construction site runoff. These will address erosion and sediment controls, and shall contain requirements for construction site operators to: implement appropriate erosion and sediment control BMPs; to control waste that may cause adverse impacts to water quality such as discarded building materials, concrete truck washout, paint and plastering wash down, chemicals, litter, and sanitary waste at the construction site.</p>	<p>Develop and implement procedures for receipt and consideration of information submitted by the public regarding storm water runoff impacts associated with construction projects.</p>	4-4.b	<p>Establish internal protocol for how information received will be considered, handled, and responded to. (See BMP 3-1.c)</p>	X					Date protocol in place	MS4 Administration
	<p>(See Appendix E for Public Education and Outreach Program)</p>	4-4.c	<p>Educate public on the procedures for reporting potential impacts by construction projects on run off (See BMP 1-1.a)</p>	X		X	X	X	Number of methods used to educate public about impacts of construction on storm water quality	MS4 Administration in cooperation with MRSWMP group

TABLE 4-1 MCM5: POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT:

Permit holders must educate the development community about the importance of the storm water program.

This will include adopting standards for incorporating environmental measures into new construction that minimize storm water impacts.

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Reduce post-construction pollution by developing post construction guidelines and standards for storm water runoff from new development and redevelopment. These will address such pollutants as sediments, chemicals, oils and grease, metals, and nutrients, as well as erosion and flooding.	Adopt an ordinance with standards for storm water pollution prevention associated with storm water systems installed in new developments and redevelopments.	5-1.a	The intention is to develop a single template ordinance which will be adopted by each municipality and will cover all aspects of storm water pollution and prevention associated with new developments and redevelopment. For MS4 urban areas meeting the Phase II Permit Attachment 4 criteria, their final adopted ordinance will have to meet subject criteria.	X					Date template ordinance completed	MS4 Administration in cooperation with MRSWMP group
	Ordinance to include standards for the design, operation, and maintenance of post-construction storm water pollution prevention systems in new developments and redevelopment. (See Appendix H)									
	Develop post-construction BMP policies and procedures guidance document. (See Appendix J)	5-1.b	Develop template post-construction BMP policies and procedures guidance document		X				Date guidance document completed	MRSWMP Group

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
<p>Reduce post-construction pollution by developing post construction guidelines and standards for storm water runoff from new development and redevelopment. These will address such pollutants as sediments, chemicals, oils and grease, metals, and nutrients, as well as erosion and flooding.</p>	<p>Develop and implement procedures for review of construction plans (See Appendix J)</p>	5-2.b	<p>Review 100% of project plans subject to the post-construction storm water pollution prevention ordinance for compliance with this ordinance during design and construction</p>			X	X	X	100% of site plans reviewed for compliance	MS4 Administration
		5-3.a	<p>Develop site inspection procedures and guidance document for self-certification by facility owners</p>		X				Date site inspection procedures implemented.	MS4 Administration in cooperation with MRSWMP group
	<p>Develop and implement procedures for post-construction site inspection and enforcement of storm water pollution control systems (See Appendix J)</p>	5-3.b	<p>Develop agreement to be signed by all facility owners that they will comply with inspection & self-certification requirements to ensure post-construction BMP compliance</p>		X				Date agreement developed	MS4 Administration in cooperation with MRSWMP group
		5-3.c	<p>Require annual inspection and self-certification by facility owner</p>		X	X	X	X	100% of sites inspected and self-certified	MS4 Administration

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
<p>Reduce post-construction pollution by developing post construction guidelines and standards for storm water runoff from new development and redevelopment. These will address such pollutants as sediments, chemicals, oils and grease, metals, and nutrients, as well as erosion and flooding.</p>	<p>Enforcement for non compliance with inspection and self-certification process (See Appendix J)</p>	<p>5-4.a</p>	<p>MS4 will impose fines per agreement developed in BMP 5-3.b to finance compliance and certification.</p>			<p>X</p>	<p>X</p>	<p>X</p>	<p>100% of sites inspected and self-certified</p>	<p>MS4 Administration in cooperation with MRSWMP group</p>

TABLE 4-1 MCM6: POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS:

Permit holders must examine their own activities and develop a program to minimize the discharge of pollutants from the corporation yard, fleet services, and other permit holder owned facilities. This also includes monitoring street sweeping programs to track performance.

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
Minimize pollution from improper discharge or disposal of materials.	Develop and implement an education and training program for employees about the impacts of storm water pollution from municipal activities and hazardous materials disposal, and how to implement the selected BMPs to reduce these impacts (See Appendix K-3)	6-1.a	Develop template municipal activities training program for municipal employees	X					Date template training program completed.	MS4 Administration in cooperation with MRSWP group and MBNMS
		6-1.b	Train appropriate municipal employees		X	X	X	X	100 % of existing appropriate staff trained by year 2, then all new employees every year after that	MS4 Administration in cooperation with MRSWP group
Minimize pollution from improper discharge or disposal of materials.	Inspection program of municipal hazardous materials storage facilities (See Appendix K-1)	6-2.a	Develop proper inspection procedures and guidelines for proper hazardous materials storage using reference materials such as the CASQA (California Storm Water Quality Association) BMP Handbooks for revisions to plans.		X				Date inspection procedures & guidelines completed	MS4 Administration in cooperation with MRSWP group
BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers

Minimize pollution from improper discharge or disposal of materials.	Inspection program of municipal hazardous materials storage facilities	6-2.b	Train appropriate staff on proper inspection procedures (See Appendix K-3)													MS4 Administration in cooperation with MRSWP group	100 % of existing appropriate staff trained by year 3, then all new employees every year after that	
		6-2.c	Implement inspection program														MS4 Administration	100% of municipal hazardous materials storage facilities inspected each year
Minimize pollution from used motor oil being disposed of improperly.	Develop and implement procedures for proper disposal of used motor oil	6-3.a	Develop procedures for proper disposal of used motor oil	X												MS4 Administration	Date procedures put in place	
		6-3.b	Train appropriate staff on proper inspection procedures (See Appendix K-3)														MS4 Administration in cooperation w/ MRSWMP Group	100 % of existing appropriate staff trained by year 2, then all new employees every year after that
		6-3.c	Implement inspection program														MS4 Administration	Date inspection program implemented

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers	
Minimize pollution from landscaping & lawn care management and pest control management activities.	Develop and implement a program that effectively manages landscaping and lawn care activities to minimize the potential for storm water pollution.	6-4.a	Perform spraying during times where rain is not predicted	X	X	X	X	X	100% of spraying done when rain is not predicted	MS4 Administration	
		6-4.b	Protect all stock piled materials from erosion such as covering, placing away from all watercourses and storm drain inlets, etc...	X	X	X	X	X	100% of stock piled materials protected from erosion	MS4 Administration	
		6-4.c	Implement procedures to minimize irrigation runoff such as using automatic timers, drip irrigation, pop up sprinkler heads, irrigating slowly, inspecting sprinklers while running and adjusting, using drought tolerant plants, etc.	X	X	X	X	X	X	Irrigation minimization measures given first priority to be used in landscaping	MS4 Administration
		6-4.d	Utilize integrated pest management (IPM) techniques whenever feasible for fertilizer, pesticide, and vegetation management	X	X	X	X	X	X	IPM Techniques given first priority for use in pest management	MS4 Administration

BMP Intent	Best Management Practice / Activity	BMP #	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
Minimize pollution from landscaping & lawn care management and pest control management activities.	Develop and implement a program that effectively manages landscaping and lawn care activities to minimize the potential for storm water pollution.	6-4.e	Train appropriate staff on proper lawn care management techniques to prevent storm water pollution	X	X	X	X	X	100 % of existing appropriate staff trained by year 1, then all new employees every year after that	MS4 Administration in cooperation w/ MRSWMP Group
Minimize pollution for improper discharge of chlorinated and/or brominated water from swimming pools & spas.	Develop and implement procedures to ensure the dechlorination and/or debromination of pool water prior to discharge to the storm water system (See Appendix K-2)	6-5.a	Develop procedures for pool water discharge		X				Pool water dechlorinated and/or debrominated prior to discharge 100% of the time	MS4 Administration in cooperation with MRSWMP Group
Minimize pollution from street and parking lot cleaning.	Conduct sweeping on a frequent and regular basis and focus sweeping schedule on high impact/dry weather sites (See Appendix K-2)	6-6.a	Conduct sweeping on a regular basis	X	X	X	X	X	Sweep on determined schedule appropriate for each MS4	MS4 Administration
Minimize pollution from automotive maintenance activities.	Develop and implement a program to prevent pollutants from automotive activities, such as vehicle fluids, from entering storm drains	6-7.a	Provide designated area for all vehicle maintenance	X	X	X	X	X	100% of permit holders have designated area for vehicle maintenance	MS4 Administration

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
Minimize pollution from automotive maintenance activities	Develop and implement a program to prevent pollutants from automotive activities, such as vehicle fluids, from entering storm drains	6-7.b	Move maintenance and repair activities indoors or under a covered area whenever possible	X	X	X	X	X	100% maintenance and repair activities moved indoors or covered area whenever possible	MS4 Administration
		6-7.c	Stencil all storm drain inlets in corporate yard area (See BMP 2-2.c)	X	X	X	X	X	100% of storm drain inlets in corporate yard stenciled by year 1 and any new inlets which may be created immediately after being built	MS4 Administration in cooperation w/ MRSWMP and MBNMS
		6-7.d	Collect all leaking or dripping fluids in drip pans or containers and dispose/recycle properly	X	X	X	X	X	X	100% of all leaks or spills contained and disposed of properly

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
Minimize pollution from automotive maintenance activities.	Develop and implement a program to prevent pollutants from automotive activities, such as vehicle fluids, from entering storm drains	6-7.e	Store materials and wastes under cover whenever possible	X	X	X	X	X	100% of materials stored under cover whenever possible	MS4 Administration
		6-7.f	Do not dispose of oil filters in trash cans. Contact oil supplier or recycler for recycle bin	X	X	X	X	X	100% of waste oil filters recycled	MS4 Administration
		6-7.g	Train all employees repairing municipal vehicles on proper pollution prevention techniques (See Appendix K-3)		X		X	X	X	100 % of existing appropriate staff trained by year 2, then all new employees every year after that every year after that.

BMP Intent	Best Management Practice / Activity	BMP #	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers	
Minimize pollution from municipal vehicle washing activities	Develop and implement a program to prevent pollutants from washing municipal vehicles, such as vehicle fluids and phosphate soaps, from entering storm drains.	6-8.a	Vehicle & equipment washing facilities equipped with storm water pollution control measures from reference materials such as the CASQA (California Storm Water Quality Association) BMP Handbooks.			X	X	X	100% of vehicle washing facilities are equipped with storm water pollution control measures	MS4 Administration	
		6-8.b	Hoses with nozzles that have automatic shut off when left unattended	X		X	X	X	100% of hoses for vehicle washing have shut off nozzles	MS4 Administration	
		6-8.c	Vehicles washed in area that does not allow detergents to flow to storm drain system			X	X	X	X	100% of chosen wash areas do not drain to storm drain system	MS4 Administration
		6-8.d	Trash container supplied in vehicle wash area		Trash container supplied in vehicle wash area	X	X	X	X	Trash container present in 100% of municipal vehicle washing areas	MS4 Administration

BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers
Minimize pollution from municipal vehicle washing activities	Develop and implement a program to prevent pollutants from washing municipal vehicles, such as vehicle fluids and phosphate soaps, from entering storm drains	6-8.e	Training of municipal employees in proper washing techniques (See Appendix K-3)	X		X	X	X	100 % of existing appropriate staff trained by year 1, then all new employees every year after that	MS4 Administration in cooperation w/ MRSWMP group
		6-8.f	Vehicle washing facilities inspected for compliance with reference materials such as the CASQA (California Storm Water Quality Association) BMP handbooks.			X	X	X	100% of municipal vehicle washing areas inspected quarterly	MS4 Administration
Minimize pollution from roadway and bridge maintenance.	Develop and implement policies and procedures to prevent pollutants from bridge and street maintenance activities, such as paving and painting work, from entering storm drains	6-9.a	Regular street sweeping: (See BMP 6-6.a)	X	X	X	X	X	Sweep on determined schedule appropriate for each MS4	MS4 Administration
		6-9.b	Schedule all pavement marking for dry weather	X	X	X	X	X	100% of all pavement marking scheduled for dry weather	MS4 Administration
		6-9.c	Transfer and load all paint away from storm drain inlets	X	X	X	X	X	100% of all paint transferred and loaded away from storm drain inlets	MS4 Administration
BMP Intent	Best Management Practice / Activity	BMP#	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers

<p>Minimize pollution from roadway and bridge maintenance</p>	<p>Develop and implement policies and procedures to prevent pollutants from bridge and street maintenance activities, such as paving and painting work, from entering storm drains</p>	<p>6-9.d</p>	<p>Protect storm drain inlets prior to road work</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>100% of storm drain inlets protected prior to road work</p>	<p>MS4 Administration</p>
<p>Minimize pollution from roadway and bridge maintenance</p>	<p>Develop and implement policies and procedures to prevent pollutants from bridge and street maintenance activities, such as paving and painting work, from entering storm drains</p>	<p>6-9.e</p>	<p>Protect all stockpiled materials from erosion such as covering, placing away from all watercourses and storm drain inlets, etc.</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>100% of stockpiled materials protected from erosion.</p>	<p>MS4 Administration</p>
<p>Minimize pollution from contaminants accumulated in storm sewer systems.</p>	<p>Develop and implement a program of regularly cleaning storm drains and inlets to prevent accumulated pollutants from being discharged with the storm water (See appendix K-2)</p>	<p>6-9.f</p>	<p>Collect all stockpiles, excess, and sweepings from street projects and dispose of properly</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>100% of stockpiles and sweepings collected and disposed of properly</p>	<p>MS4 Administration</p>
<p>Minimize pollution from contaminants accumulated in storm sewer systems.</p>	<p>Develop and implement a program of regularly cleaning storm drains and inlets to prevent accumulated pollutants from being discharged with the storm water (See appendix K-2)</p>	<p>6-10.a</p>	<p>Stencil catch basins and inlets as needed as prevention measure: (See BMP 2-2.c)</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>X</p>	<p>100% of appropriate catch basins stenciled</p>	<p>MS4 Administration in cooperation w/ MRSWMP and MBNMS</p>

BMP Intent	Best Management Practice / Activity	BMP #	Implementation Plan	Permit Yr 1	Permit Yr 2	Permit Yr 3	Permit Yr 4	Permit Yr 5	Measurable Goals.	Implementers	
Minimize pollution from contaminants accumulated in storm sewer systems	Develop and implement a program of regularly cleaning storm drains and inlets to prevent accumulated pollutants from being discharged with the storm water (See appendix K-2)	6-10.b	Inspect catch basins and inlets annually prior to rainy season	X	X	X	X	X	Minimum 35% of catch basins and inlets to be inspected annually on a rotating basis to cover 100% every 3 years	MS4 Administration	
		6-10.c	Clean and repair catch basins, inlets and piping as identified through inspections as needed prior to November 1 st annually	X	X	X	X	X	By November 1 st , annually, address cleaning and repair needs of prioritized catch basins, inlets & piping as identified during inspections	MS4 Administration	
		6-10.d	Re-inspect identified problem areas of debris accumulation during wet season	X	X	X	X	X	X	Re-inspect 100% of problem areas	MS4 Administration
		6-10.e	Keep documentation of inspections and cleanings	X	X	X	X	X	X	Documentation kept on file	MS4 Administration