

Appendix J

Year Two Annual Report Materials
County of Monterey

1. PUBLIC EDUCATION AND OUTREACH

All information pertaining to this Minimum Control Measure is contained in Appendix A.

2. PUBLIC INVOLVEMENT AND PARTICIPATION

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>			
			Implemented	Not Applicable	Not Implemented
<p>Encourage general public and stakeholder involvement in identifying and solving storm water management problems, and gather public input on development and implementation of the MRSWMP, 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.</p> <p>(See pages E-23 through E-29 of Appendix E of the MRSWMP for the Public Participation and Involvement Program)</p>	2-1.a	Draft annual report will be posted on the website and in city offices for review by public one month prior to Annual Workshop No. 2.	X		
	2-1.b	Hold Annual Workshop # 1 annually in March/April. Annual Workshop #1 in Year One will focus on a general overview of Phase II requirements, and BMPs selected to increase the general public's overall awareness and knowledge of the Phase II program.	X		
	2-1.c	Hold Annual Workshop #2 annually in early November 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.	X		
	2-1.d	Hold Annual Workshop #1 annually in Mar-April: Workshop #1 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 the Inventory of Businesses to be Inspected contained on pages E-37 through E-65 of Appendix E of the MRSWMP.	X		

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	Im ple men ted	Not App lic able	Not Im ple men ted
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 pages E-23 through E-29 of Appendix E of the MRSWMP for the Public Participation and Involvement Program)	2-2.a	Provide financial sponsorship support for Annual Coastal Cleanup Day in Monterey County or other local beach clean up efforts.	X		
	2-2.b	Recruit volunteers through municipal employee base and through advertising for Annual Coastal Clean Up Day or other local clean up efforts.	X		
	2-2.c	Provide support for, or assistance with, storm drain stenciling through providing supplies, volunteer recruitment, and staff labor.	X		
	2-2.d	Provide financial support for, or assistance with, volunteer monitoring programs and public participation events such as: Urban Watch, First Flush, Snapshot Day, and Walk N' Talk Days	X		
Become an active participant in the Citizen Water Quality Monitoring Network (See pages E-23 through E-29 of Appendix E of the MRSWMP for the Public Participation and Involvement Program)	2-3.a	A representative from the MRSWMP group will become an active participant in the Citizen Water Quality Monitoring Network.	X		

<i>BMP No.</i>	<i>Measurable Goal</i>	<i>Completed by all Permittees</i>	<i>Not Completed by all Permittees</i>	<i>Comments</i>
2-1.a	All written public comments submitted and notes taken at workshop will be considered for inclusion in the annual report and kept on file.	X		
2-1.b	40 participants per workshop			
2-1.c	40 participants per workshop			
2-2.a	Annual financial sponsorship of up to \$500 to cover expenses not covered by sponsors.	X		
	Provide staffing that amounts to 40 hours for coordinating this event.	X		
2-2.b	Each permit holder to recruit volunteers through two separate agency channels; e.g. email, paycheck stuffers, internal newsletters, etc. Track recruitment efforts, coordination support and financial support, and track number of participants and volume of waste collected and report this information in the Annual Reports for the indicated years.	X		
	Air radio advertising before the event to encourage public participation	X		
2-2.c	Utilization of 100 hours of staff time through "Save the Whales" nonprofit organization to recruit college and civic organizations for stenciling events.	X		
	Provide stenciling equipment, supplies, and maps of inlets to be stenciled, and complete a minimum of 300 drains and tabulate areas stenciled. Percent of all entities completed per year will be approximately 5-10%.	X		
2-2.d	Provide \$13,000 annual contribution for Urban Watch for professional staffing, equipment, lab analysis, and report writing.	X		
	Provide \$1,500 annually for Urban Watch for print ads to recruit volunteers.	X		
2-2.d (cont'd)	Provide \$3,000 annual contribution for First Flush for professional staffing, equipment, lab analysis, and report writing.	X		

BMP No.	Measurable Goal	Completed by all Permittees	Not Completed by all Permittees	Comments
	Purchase \$7,000 annually for radio ads to promote participation in First Flush	X		
	Provide \$1,500 annually for First Flush for print ads to recruit volunteers.	X		
	Provide \$1,000 annual contribution for Snapshot Day for professional staffing, equipment, lab analysis, and report writing.	X		
	Provide \$500 annually for Snap Shot Day for print ads to recruit volunteers.	X		
	Provide \$300 to \$500 annually for Walk N' Talk to garner public participation and a co-host representative for each event.	X		
	Year 1: Based on existing scientific studies and data identify with specificity the geographic areas within the jurisdiction of each municipality that are sources of pollution, including T. Gondii, and other pathogens, impacting California sea otters and results included in the Annual Report; Year 2: Create and implement a program to reduce and eliminate the sources of pollution identified as impacting sea otters. The program and implementation will be described in the Annual Report.	X		
2-3.a	100% of monitoring network meetings to be attended annually by member of MRSWMP group.	X		

3. ILLICIT DISCHARGE DETECTION AND ELIMINATION

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	<i>Implemented</i>	<i>Not Applicable</i>	<i>Not Implemented</i>
Create a unified place for public to call in potential illicit discharges	3-1.a	Enter into an agreement with “911 Earth” to use their 1-800-CLEANUP hotline for the public to report illicit discharges by zip code	X		
	3-1.b	Advertise 1-800-CLEANUP call-in number on MRSWMP generated-media and educational materials	X		
	3-1.c	Investigate and take appropriate action on each report of illicit discharge that is received.	X		
Storm water system mapping	3-2.a	Complete preparation of the storm drain system map contained on pages E-34 through E-36 of Appendix E of the MRSWMP, showing the location of all outfalls discharging to waters of the state and other MS4s that receive discharges from those outfalls	X		
Implement and maintain a program to detect and eliminate illicit connections and/or discharges; i.e., sewer overflows, fluid dumping in catch basins etc.	3-3.a	Using the training materials contained on pages F-2 through F-7 of Appendix F of the MRSWMP, train inspection personnel and other municipal staff, and obtain resources necessary to inspect businesses.	X		
Implement and maintain a program to detect and eliminate illicit connections and/or discharges; i.e., sewer overflows, fluid dumping in catch basins etc.	3-3.b	Using the inventory of businesses to be inspected and the inspection checklists contained on pages E-37 through E-77 of Appendix E of the MRSWMP, prioritize the businesses to be inspected, and perform compliance inspections on these businesses to identify illicit connections and illegal discharges. Discharges to Environmentally Sensitive Areas, discharges to Areas of Special Biological Significance, restaurants/fast food chains, auto repair shops, and gas stations will receive top prioritization in scheduling these inspections.			X
	3-3.c	Create hotline for public reporting of illicit connections	X		

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	<i>Implemented</i>	<i>Not Applicable</i>	<i>Not Implemented</i>
Implement and maintain a program to detect and eliminate illicit connections and/or discharges; i.e., sewer overflows, fluid dumping in catch basins etc.	3-3.d	Take action as necessary to eliminate 100% of the illicit connections and illegal discharges that are identified in this year	X		
Adopt an ordinance with standards for storm water pollution prevention. 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.	3-4.a	Using the guidance document and model ordinance contained on pages E-80 through E-98 of Appendix E of the MRSWMP, each Participating Entity will adopt a storm water ordinance revised to be specific to each entity's needs through appropriate governing body procedures.			X

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	<i>Implemented</i>	<i>Not Applicable</i>	<i>Not Implemented</i>
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.	3-6.a	This is included in the Public Education and Outreach Program contained on pages E-1 through E-23 of Appendix E of the MRSWMP.	X		

<i>BMP No.</i>	<i>Measurable Goal</i>	<i>Completed by all Permittees</i>	<i>Not Completed by all Permittees</i>	<i>Comments</i>
3-1.a	Date agreement was executed	x		
3-1.b	Advertised on a minimum of 8 different media pieces: 4 in English, 4 in Spanish	x		
3-1.c	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”.	x		The County has procedures in place for responding to discharges that to the storm drain system. Spills and discharges are cleaned up and responsible parties identified and enforcement action taken when necessary. However, once the stormwater ordinance is adopted it is anticipated that a greater number of illicit connections/discharges will be eliminated.
3-2.a	Each Participating Entity to complete its mapping by end of Year 1, except Monterey County which will complete its mapping by end of Year 3	x		
3-3.a	Sufficient personnel trained and prepared to perform inspections beginning in Year Two	x		

<i>BMP No.</i>	<i>Measurable Goal</i>	<i>Completed by all Permittees</i>	<i>Not Completed by all Permittees</i>	<i>Comments</i>
3-3.b	Minimum of 100% of inventoried businesses inspected by the end of the permit term.			On going implementation
3-3.c	See BMP 3-1.a			
3-3.d	100% of all reports of illicit connections and illegal discharges investigated and report on outcome of each case in the form of “closed”, “ongoing enforcement”, or “still investigating source”.	X		Using existing laws and ordinances.
3-4.a	Date ordinance implemented (implemented within 3 months of permit coverage for all entities except Monterey County, which will implement within 6 months of permit coverage)		x	The County is in the process of adopting a stormwater ordinance. The model ordinance has been revised several times at the request of various stakeholders. The change in the date ordinance implemented is needed. The ordinance will be implemented in Year 3 of the permit cycle. Current inspections are informing businesses regarding illicit connections and stormwater discharges. Using the existing check sheets and protocols in the MRSWMP will begin in Permit Year 3. Reports of illicit discharges were investigated and resolved and compliance inspections made using existing laws and ordinances.
3-6.a	Summary of methods used to educate the public about the impacts of illegal discharges and improper waste disposal to be included in the Annual Reports.	X		

Issue	This Reporting Period	Previous Reporting Period	Comments (such as type/source, geographic location, time, etc.)
How many non-storm water discharges were detected during the reporting year	8	4	
How many of these were “illicit” (i.e. not authorized)?	8	4	
How many illicit dischargers were fined or otherwise penalized?	0	0	

4. CONSTRUCTION SITE STORM WATER CONTROL

Status of BMPs:

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	<i>Implemented</i>	<i>Not Applicable</i>	<i>Not Implemented</i>
<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</p>	4-1.a	<p>Using the guidance document and model ordinance contained on pages E-84 through E-98 and E-125 through E-131 of Appendix E of the MRSWMP, each Participating Entity will adopt a storm water ordinance revised to be specific to each entity's needs through appropriate governing body procedures</p>			X
<p>Implement procedures for receipt and consideration of information submitted by the public regarding storm water runoff impacts associated with construction projects.</p>	4-4.a	<p>Use the procedures contained on pages E-30 through E-33 of Appendix E of the MRSWMP to facilitate the receipt of, and the response to, reports from the public of storm water pollution from construction sites.</p>	X		
<p>Implement a permit boundary-wide education program addressing the negative effects on water quality from improperly managed construction site runoff.</p>	4-4.b	<p>Twice per year at construction contractor professional meetings, present an educational program regarding prevention of storm water pollution from construction sites. The program will cover the four guiding principles for controlling runoff from construction sites, which are included in the BMP Guidance Series:</p> <ul style="list-style-type: none"> • Construction site planning • Minimization of soil movement • Capturing of Sediment • Good housekeeping practices <p>At these presentations handouts describing construction site permitting procedures and construction site BMPs will also be distributed.</p>	X		

Status of Measurable Goals:

<i>BMP No.</i>	<i>Measurable Goal</i>	<i>Completed by all Permittees</i>	<i>Not Completed by all Permittees</i>	<i>Comments</i>
4-1.a	Date ordinance implemented (implemented within 3 months of permit coverage for all entities except Monterey County, which will implement within 6 months of permit coverage)		X	The County is in the process of adopting a stormwater ordinance. The model ordinance has been revised several times to meet the needs of various stakeholders. The change in the date ordinance implemented is needed. The ordinance will be implemented in Year 3 of the permit cycle. Inspections and enforcement at construction sites have occurred using existing ordinances and laws. Inspections using the existing check sheets and protocols in the MRSWMP will begin in Permit Year 3.
4-4.a	100% of all reports of construction site storm water pollution investigated and report on outcome of each case in the form of “closed”, “ongoing enforcement”, or “still investigating source”.	X		Using existing ordinances and laws.
4-4.b	Provide educational programs that reach at least 20 construction firms each year.			BMP 4-4.b will be filed in by the MRWPCA Program Manager.

Issue	This Reporting Period	Last Reporting Period	Comments
How many erosion and sediment control plans were reviewed?	209	Did not report	
How many construction sites were inspected to determine compliance with your construction storm water requirements?	1391	Did not report	
At how many construction sites were violations noted?	15	Did not report	
At these sites, how many site owners or operators were penalized through a formal enforcement action?	15	Did not report	

5. POST-CONSTRUCTION STORM WATER MANAGEMENT

Status of BMPs:

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	<i>Implemented</i>	<i>Not Applicable</i>	<i>Not Implemented</i>
<p>Adopt an ordinance with standards for storm water pollution prevention associated with storm water systems installed in new developments and redevelopments.</p> <p>Ordinance to include standards for the design, operation, and maintenance of post-construction storm water pollution prevention systems in new developments and redevelopment.</p>	5-1.a	<p>Using the guidance document and model ordinance contained on pages E-84 through E-98 and E-137 through E-143 of Appendix E of the MRSWMP, each Participating Entity will adopt a storm water ordinance revised to be specific to each entity's needs through appropriate governing body procedures.</p>			X

Status of Measurable Goals:

BMP No.	Measurable Goal	Completed by all Permittees	Not Completed by all Permittees	Comments
5-1.a	Date ordinance implemented (implemented within 3 months of permit coverage for all entities except Monterey County, which will implement within 6 months of permit coverage)		X	<p>The County is in the process of adopting a stormwater ordinance. The model ordinance has been revised several times to meet the needs of various stakeholders.</p> <p>The change in the date ordinance implemented is needed. The ordinance will be implemented in Year 3 of the permit cycle. Plans have been reviewed using existing laws and ordinances. Inspections using the existing check sheets and protocols in the MRSWMP will begin in Permit Year 3.</p>

Issue	This Reporting Period	Last Reporting Period	Comments (ex. frequently seen project types, types of BMPs)
How many post-construction plans were reviewed?	N/A	N/A	
How many plans included post-construction BMPs?	N/A	N/A	
How many sites were inspected to verify installation of post-construction BMPs?	N/A	N/A	
How many sites were inspected to verify the proper operation and maintenance of post-construction BMPs?	N/A	N/A	

5. POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

6.

Status of BMPs:

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	Im	Not	Not
			ple	Ap	Im
			mented	plicable	plemented
Implement an education and training program for employees (general and then specific to targeted employee groups, including supervisors) 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.	6-1.a	Using the training outline and materials contained on pages F-22 through F-34 of Appendix F of the MRSWMP, train appropriate municipal employees (including supervisors) on storm water pollution issues.	X		
Inspection program of municipal hazardous materials storage facilities	6-2.a	Promptly correct any hazardous materials inspection deficiencies reported by the County inspectors, who are responsible for all of the hazardous materials inspections in Monterey County. (The inspection forms used by the County are contained on pages E-146 through E-168 of Appendix E of the MRSWMP and indicate the thoroughness that the County's inspections entail.)	X		
Implement a program that effectively manages landscaping and lawn care activities to minimize the potential for storm water pollution.	6-4.a	Train municipal staffs to use the procedures contained on pages E-175 through E-176 of Appendix E of the MRSWMP to properly manage landscape and lawn care activities. Offer training to other agencies such as school districts beginning in Year 3.		X	
	6-4.b	Perform spraying during times where rain is not predicted		X	

<i>BMP Description</i>	<i>BMP No.</i>	<i>Implementation Plan</i>	I	N	N
			mp	ot	ot
			l	a	l
			e	p	m
			n	p	e
			t	p	n
			e	p	t
			d	p	e
			n	p	n
			t	p	t
			e	p	e
to prevent accumulated pollutants from being discharged with the storm water (See Appendix E of the MRSWMP for a complete discussion of the work to be performed under BMP 6-10	6-10.b	Inspect catch basins and inlets in the designated “hot spots” listed on page E-199 of Appendix E of the MRSWMP annually prior to rainy season, and clean as necessary	X		
	6-10.c	Clean and repair catch basins, inlets and piping as identified through inspections prior to November 1 st annually	X		
	6-10.d	Re-inspect identified problem areas of debris accumulation during wet season	X		
	6-10.e	Keep documentation of inspections and cleanings	X		

Status of Measurable Goals:

<i>BMP No.</i>	<i>Measurable Goal</i>	<i>Completed by all Permittees</i>	<i>Not Completed by all Permittees</i>	<i>Comments</i>
6-1.a	100 % of existing appropriate staff trained by Year 2, then all new employees every year after that. Perform pre- and post-training testing to measure training effectiveness.	X		
6-2.a	100% of noted deficiencies corrected within 30 days of notification by the County	X		
6-6.a	100% of Sweeping in each MS4 performed in accordance with the MS4's Plan	X		
6-7.a	100% of MS4s have designated area for vehicle maintenance	X		
6-7.b	100% maintenance and repair activities moved indoors or covered area whenever possible	X		
6-7.d	100% of storm drain inlets in corporate yard stenciled by end of Year 1 and any new inlets which may be created stenciled immediately after being built. Stenciling redone in Year 5.	X		
6-7.e	100% of noted deficiencies corrected.	X		
6-7.f	100% of materials stored under cover whenever possible	X		
6-7.g	This training is included in BMP 6-1.a			
6-8.a	This training is included in BMP 6-1.a			
6-8.b	100% of noted deficiencies corrected.	X		
6-10.a	Stenciling is covered under BMP 2-2.c			
6-10.b	100% of "hot spot" catch basins and inlets inspected, and cleaned as necessary, each year prior to start of rainy season	X		
6-10.c	By November 1 st annually, address cleaning and repair needs of prioritized catch basins, inlets & piping as identified during inspections	X		
6-10.d	Re-inspect 100% of problem areas	X		
6-10.e	Documentation kept on file	X		

SUPPORTING MATERIALS FOR BMP 6-9.a

10-1.34 WATER POLLUTION CONTROL:

Water pollution control work shall conform to the provisions in Section 7-1.01G, "Water Pollution," of the Standard Specifications and these special provisions.

This project lies within the boundaries of the California Regional Water Quality Control Board (RWQCB). The State Water Resources Control Board (SWRCB) has issued a permit to the Department which governs storm water and non-storm water discharges from its properties, facilities and activities. The Department's Permit is entitled: "**Order No. 99-06-DWQ**, NPDES No. CAS000003, National Pollutant Discharge Elimination System (NPDES) Permit, Storm Water Permit and Waste Discharge Requirements (WDRs) for the State of California, Department of Transportation Properties, Facilities, and Activities." Copies of the Department's Permit are available for review from the SWRCB, Storm Water Permit Unit, 1001 "I" Street, P.O. Box 1977, Sacramento, California 95812-1977, Telephone: (916) 341-5254, and may also be obtained from the SWRCB Internet website at:

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

The Department's Permit references and incorporates by reference the current Statewide General Permit issued by the SWRCB entitled "Order No. **99-08-DWQ**, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002, Waste Discharge Requirements (WDRs) for Discharges of Storm Water Associated with Construction Activity," which regulates discharges of storm water and non-storm water from construction activities disturbing **0.4-hectare** or more of soil in a common plan of development. Sampling and analysis requirements as specified in SWRCB Resolution No. 2001-46 are added to the Statewide General Permit. Copies of the Statewide General Permit and modifications thereto are available for review from the SWRCB, Storm Water Permit Unit, 1001 "I" Street, P.O. Box 1977, Sacramento, California 95812-1977, Telephone: (916) 341-5254 and may also be obtained from the SWRCB Internet website at: <http://www.swrcb.ca.gov/stormwtr/construction.html>.

The California RWQCB has issued a permit which governs storm water and non-storm water discharges resulting from construction activities in the project area. The NPDES permits that regulate this project, as referenced above, are hereafter collectively referred to as the "Permits."

This project shall conform to the Permits and modifications thereto. The Contractor shall maintain copies of the Permits at the project site and shall make the Permits available during construction.

The Permits require the preparation of a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP shall be prepared in conformance with the requirements of the Permits, the Department's "Storm Water Pollution Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP) Preparation Manual," and the Department's "Construction Site Best Management Practices (BMPs) Manual," including addenda to those permits and manuals issued up to and including the date of advertisement of the project. These manuals are hereinafter referred to, respectively, as the "Preparation Manual" and the "Construction Site BMPs Manual," and collectively, as the "Manuals." Copies of the Manuals may be obtained from the Department of Transportation, Material Operations Branch, Publication Distribution Unit, 1900 Royal Oaks Drive, Sacramento, California 95815, Telephone: (916) 445-3520, and may also be obtained from the Department's Internet website at:

<http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm>.

The Contractor shall know and fully comply with applicable provisions of the Permits and all modifications thereto, the Manuals, and Federal, State, and local regulations and requirements that govern the Contractor's operations and storm water and non-storm water discharges from both the project site and areas of disturbance outside the project limits during construction. Attention is directed to Sections 7-1.01, "Laws to be Observed," and 7-1.12, "Indemnification and Insurance," of the Standard Specifications.

The Permits shall apply to storm water and certain permitted non-storm water discharges from areas outside the project site which are directly related to construction activities for this contract including, but not limited to, asphalt batch plants, material borrow areas, concrete plants, staging areas, storage yards and access roads. The Contractor shall comply with the Permits and the Manuals for those areas and shall implement, inspect and maintain the required water pollution control practices. The Engineer shall be allowed full access to these areas during construction to assure Contractor's proper implementation of water pollution control practices. Installing, inspecting and maintaining water pollution control practices on areas outside the highway right of way not specifically arranged and provided for by the Department for the execution of this contract, will not be paid for.

The Contractor shall be responsible for penalties assessed or levied on the Contractor or the Department as a result of the Contractor's failure to comply with the provisions in this section "Water Pollution Control" including, but not limited to, compliance with the applicable provisions of the Permits, the Manuals, and Federal, State and local regulations and requirements as set forth therein.

Penalties as used in this section, "Water Pollution Control," shall include fines, penalties and damages, whether proposed, assessed, or levied against the Department or the Contractor, including those levied under the Federal Clean Water Act and the State Porter-Cologne Water Quality Control Act, by governmental agencies or as a result of citizen suits. Penalties shall also include payments made or costs incurred in settlement for alleged violations of the Permits, the Manuals, or applicable laws, regulations, or requirements. Costs incurred could include sums spent instead of penalties, in mitigation or to remediate or correct violations.

RETENTION OF FUNDS

Notwithstanding any other remedies authorized by law, the Department may retain money due the Contractor under the contract, in an amount determined by the Department, up to and including the entire amount of Penalties proposed, assessed, or levied as a result of the Contractor's violation of the Permits, the Manuals, or Federal or State law, regulations or requirements. Funds may be retained by the Department until final disposition has been made as to the Penalties. The Contractor shall remain liable for the full amount of Penalties until such time as they are finally resolved with the entity seeking the Penalties.

Retention of funds for failure to conform to the provisions in this section, "Water Pollution Control," shall be in addition to the other retention amounts required by the contract. The amounts retained for the Contractor's failure to conform to provisions in this section will be released for payment on the next monthly estimate for partial payment following the date when an approved SWPPP has been implemented and maintained, and when water pollution has been adequately controlled, as determined by the Engineer.

When a regulatory agency identifies a failure to comply with the Permits and modifications thereto, the Manuals, or other Federal, State or local requirements, the Department may retain money due the Contractor, subject to the following:

- A. The Department will give the Contractor 30 days notice of the Department's intention to retain funds from partial payments which may become due to the Contractor prior to acceptance of the contract. Retention of funds from payments made after acceptance of the contract may be made without prior notice to the Contractor.
- B. No retention of additional amounts out of partial payments will be made if the amount to be retained does not exceed the amount being withheld from partial payments pursuant to Section 9-1.06, "Partial Payments," of the Standard Specifications.
- C. If the Department has retained funds, and it is subsequently determined that the State is not subject to the entire amount of the Costs and Liabilities assessed or proposed in connection with the matter for which the retention was made, the Department shall be liable for interest on the amount retained for the period of the retention. The interest rate payable shall be 6 percent per annum.

During the first estimate period that the Contractor fails to conform to the provisions in this section, "Water Pollution Control," the Department may retain an amount equal to 25 percent of the estimated value of the contract work performed.

The Contractor shall notify the Engineer immediately upon request from the regulatory agencies to enter, inspect, sample, monitor, or otherwise access the project site or the Contractor's records pertaining to water pollution control work. The Contractor and the Department shall provide copies of correspondence, notices of violation, enforcement actions or proposed fines by regulatory agencies to the requesting regulatory agency.

STORM WATER POLLUTION PREVENTION PLAN PREPARATION, APPROVAL AND AMENDMENTS

As part of the water pollution control work, a Storm Water Pollution Prevention Plan (SWPPP) is required for this contract. **The SWPPP shall be prepared by a licensed Civil Engineer in the State of California.** The SWPPP shall conform to the provisions in Section 7-1.01G, "Water Pollution," of the Standard Specifications, the requirements in the Manuals, the requirements of the Permits, and these special provisions. Upon the Engineer's approval of the SWPPP, the SWPPP shall be considered to fulfill the provisions in Section 7-1.01G, "Water Pollution," of the Standard Specifications for development and submittal of a Water Pollution Control Program.

No work having potential to cause water pollution shall be performed until the SWPPP has been approved by the Engineer. Approval shall not constitute a finding that the SWPPP complies with applicable requirements of the Permits, the Manuals and applicable Federal, State and local laws, regulations, and requirements.

The Contractor shall designate a Water Pollution Control Manager. The Water Pollution Control Manager shall be responsible for the implementation and adequate functioning of the various water pollution control practices employed. The Water Pollution Control Managers shall serve as the primary contact for issues related to the SWPPP or its implementation. The SWPPP shall apply to the areas within and those outside of the highway right of way that are directly related to construction operations including, but not limited to, asphalt batch plants, material borrow areas, concrete plants, staging areas, storage yards, and access roads. The SWPPP shall incorporate water pollution control practices in the following categories:

- A. Soil stabilization.
- B. Sediment control.
- C. Wind erosion control.

- D. Tracking control.
- E. Non-storm water management.
- F. Waste management and materials pollution control.

The Contractor shall develop and include in the SWPPP the Sampling and Analysis Plan(s) as required by the Permits, and modifications thereto, and as required in "Sampling and Analytical Requirements" of this section.

The Contractor shall develop a Water Pollution Control Schedule that describes the timing of grading or other work activities that could affect water pollution. The Water Pollution Control Schedule shall be updated by the Contractor to reflect changes in the Contractor's operations that would affect the necessary implementation of water pollution control practices.

The Contractor shall complete the "Construction Site BMPs Consideration Checklist" presented in the Preparation Manual and shall incorporate water pollution control practices into the SWPPP. Water pollution control practices include the "Minimum Requirements" and other Contractor-selected water pollution control practices from the "Construction Site BMPs Consideration Checklist" and the "Project-Specific Minimum Requirements" identified in the Water Pollution Control Cost Break-Down of this section.

Within 20 working days after the approval of the contract, the Contractor shall submit **3** copies of the draft SWPPP to the Engineer. The Engineer will have 10 working days to review the SWPPP. If revisions are required, as determined by the Engineer, the Contractor shall revise and resubmit the SWPPP within 10 working days of receipt of the Engineer's comments. The Engineer will have 5 working days to review the revisions. Upon the Engineer's approval of the SWPPP, 4 approved copies of the SWPPP, incorporating the required changes, shall be submitted to the Engineer. In order to allow construction activities to proceed, the Engineer may conditionally approve the SWPPP while minor revisions are being completed. In the event the Engineer fails to complete the review within the time allowed, and if, in the opinion of the Engineer, completion of the work is delayed or interfered with by reason of the Engineer's delay in completing the review, the Contractor will be compensated for resulting losses, and an extension of time will be granted, in the same manner as provided for in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

The Contractor shall prepare an amendment to the SWPPP when there is a change in construction activities or operations which may affect the discharge of pollutants to surface waters, ground waters, municipal storm drain systems, or when the Contractor's activities or operations violate a condition of the Permits, or when directed by the Engineer. Amendments shall identify additional water pollution control practices or revised operations, including those areas or operations not identified in the initially approved SWPPP. Amendments to the SWPPP shall be prepared and submitted for review and approval within a time approved by the Engineer, but in no case longer than the time specified for the initial submittal and review of the SWPPP. At a minimum, the SWPPP shall be amended annually and submitted to the Engineer 25 days prior to the defined rainy season.

The Contractor shall keep one copy of the approved SWPPP and approved amendments at the project site. The SWPPP shall be made available upon request by a representative of the Regional Water Quality Control Board, State Water Resources Control Board, United States Environmental Protection Agency, or the local storm water management agency. Requests by the public shall be directed to the Engineer.

COST BREAK-DOWN

The Contractor shall include a Water Pollution Control Cost Break-Down in the SWPPP which itemizes the contract lump sum for water pollution control work. The Contractor shall use the Water Pollution Control Cost Break-Down provided in this section as the basis for the cost break-down submitted with the SWPPP. The Contractor shall use the Water Pollution Control Cost Break-Down to identify items, quantities and values for water pollution control work, excluding Temporary Water Pollution Control Practices for which there are separate bid items.

The Contractor shall be responsible for the accuracy of the quantities and values used in the cost break-down submitted with the SWPPP. Partial payment for the item of water pollution control will not be made until the Water Pollution Control Cost Break-Down is approved by the Engineer.

Attention is directed to "Time-Related Overhead" of these special provisions regarding compensation for time-related overhead.

Line items indicated in the Water Pollution Control Cost Break-Down in this section with a specified Estimated Quantity shall be considered "Project-Specific Minimum Requirements." The Contractor shall incorporate Project-Specific Minimum Requirements with Contractor-designated quantities and values into the Water Pollution Control Cost Break-Down submitted with the SWPPP.

Line items indicated in the Water Pollution Control Cost Break-Down in this section without a specified Estimated Quantity shall be considered by the Contractor for selection to meet the applicable "Minimum Requirements" as defined in the Manuals, or for other water pollution control work as identified in the "Construction Site BMPs Consideration Checklist" presented in the Preparation Manual. In the Water Pollution Control Cost Break-Down submitted with the SWPPP, the Contractor shall list only those water pollution control practices selected for the project, including quantities and values required to complete the work for those items.

The sum of the amounts for the items of work listed in the Water Pollution Control Cost Break-Down shall be equal to the contract lump sum price bid for water pollution control. Overhead and profit, except for time-related overhead, shall be included in the individual items listed in the cost break-down.

WATER POLLUTION CONTROL COST BREAK-DOWN

Contract No. _____

ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	VALUE	AMOUNT
SS-3	Hydraulic Mulch	M2			
SS-4	Hydroseeding	M2			
SS-5	Soil Binders	M2			
SS-6	Straw Mulch	M2			
SS-7	Geotextiles, Plastic Covers & Erosion Control Blankets/Mats	M2			
SS-8	Wood Mulching	M2			

ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	VALUE	AMOUNT
SS-9	Earth Dikes/Drainage Swales & Lined Ditches	M			
SS-10	Outlet Protection/Velocity Dissipation Devices	EA			
SS-11	Slope Drains	EA			
SS-12	Streambank Stabilization	LS			
SC-1	Silt Fence	M			
SC-2	Sediment/Desilting Basin	EA			
SC-3	Sediment Trap	EA			
SC-4	Check Dam	EA			
SC-5	Fiber Rolls	M			
SC-6	Gravel Bag Berm	M			
SC-7	Street Sweeping and Vacuuming	LS			
SC-8	Sandbag Barrier	M			
SC-9	Straw Bale Barrier	M			
SC-10	Storm Drain Inlet Protection	EA			
WE-1	Wind Erosion Control	LS			
TC-1	Stabilized Construction Entrance/Exit	EA			
TC-2	Stabilized Construction Roadway	EA			
TC-3	Entrance/Outlet Tire Wash	EA			
NS-1	Water Conservation Practices	LS			
NS-2	Dewatering Operations	EA			
NS-3	Paving and Grinding Operations	LS			
NS-4	Temporary Stream Crossing	EA			
NS-5	Clear Water Diversion	EA			
NS-6	Illicit Connection/Illegal Discharge Detection and Reporting	LS			
NS-7	Potable Water/Irrigation	LS			
NS-8	Vehicle and Equipment Cleaning	LS			
NS-9	Vehicle and Equipment Fueling	LS			
NS-10	Vehicle and Equipment Maintenance	LS			

ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	VALUE	AMOUNT
NS-11	Pile Driving Operations	LS			
NS-12	Concrete Curing	LS			
NS-13	Material and Equipment Use over Water	LS			
NS-14	Concrete Finishing	LS			
NS-15	Structure Demolition/Removal Over or Adjacent to Water	LS			
WM-1	Material Delivery and Storage	LS			
WM-2	Material Use	LS			
WM-3	Stockpile Management	LS			
WM-4	Spill Prevention and Control	LS			
WM-5	Solid Waste Management	LS			
WM-6	Hazardous Waste Management	LS			
WM-7	Contaminated Soil Management	LS			
WM-8	Concrete Waste Management	LS			
WM-9	Sanitary/Septic Waste Management	LS			
WM-10	Liquid Waste Management	LS			

TOTAL _____

Adjustments in the items of work and quantities listed in the approved cost break-down shall be made when required to address amendments to the SWPPP, except when the adjusted items are paid for as extra work.

No adjustment in compensation will be made to the contract lump sum price paid for water pollution control due to differences between the quantities shown in the approved cost break-down and the quantities required to complete the work as shown on the approved SWPPP. No adjustment in compensation will be made for ordered changes to correct SWPPP work resulting from the Contractor's own operations or from the Contractor's negligence.

The approved cost break-down will be used to determine partial payments during the progress of the work and as the basis for calculating the adjustment in compensation for the item of water pollution control due to increases or decreases of quantities ordered by the Engineer. When an ordered change increases or decreases the quantities of an approved cost break-down item, the adjustment in compensation will be determined in the same manner specified for increases and decreases in the quantity of a contract item of work in conformance with the provisions in Section 4-1.03B, "Increased or Decreased Quantities," of the Standard

Specifications. If an ordered change requires a new item which is not on the approved cost break-down, the adjustment in compensation will be determined in the same manner specified for extra work in conformance with Section 4-1.03D, "Extra Work," of the Standard Specifications.

If requested by the Contractor and approved by the Engineer, changes to the water pollution control practices listed in the approved cost break-down, including addition of new water pollution control practices, will be allowed. Changes shall be included in the approved amendment of the SWPPP. If the requested changes result in a net cost increase to the lump sum price for water pollution control, an adjustment in compensation will be made without change to the water pollution control item. The net cost increase to the water pollution control item will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

SWPPP IMPLEMENTATION

Unless otherwise specified, upon approval of the SWPPP, the Contractor shall be responsible throughout the duration of the project for installing, constructing, inspecting, maintaining, removing, and disposing of the water pollution control practices specified in the SWPPP and in the amendments. Unless otherwise directed by the Engineer, the Contractor's responsibility for SWPPP implementation shall continue throughout temporary suspensions of work ordered in conformance with the provisions in Section 8-1.05, "Temporary Suspension of Work," of the Standard Specifications. Requirements for installation, construction, inspection, maintenance, removal, and disposal of water pollution control practices shall conform to the requirements in the Manuals and these special provisions.

If the Contractor or the Engineer identifies a deficiency in the implementation of the approved SWPPP or amendments, the deficiency shall be corrected immediately unless requested by the Contractor and approved by the Engineer in writing, but shall be corrected prior to the onset of precipitation. If the Contractor fails to correct the identified deficiency by the date agreed or prior to the onset of precipitation, the project shall be in nonconformance with this section, "Water Pollution Control." Attention is directed to Section 5-1.01, "Authority of Engineer," of the Standard Specifications, and to "Retention of Funds" of this section for possible nonconformance penalties.

If the Contractor fails to conform to the provisions of this section, "Water Pollution Control," the Engineer may order the suspension of construction operations until the project complies with the requirements of this section.

Implementation of water pollution control practices may vary by season. The Construction Site BMPs Manual and these special provisions shall be followed for control practice selection of year-round, rainy season and non-rainy season water pollution control practices.

Year-Round Implementation Requirements

The Contractor shall have a year-round program for implementing, inspecting and maintaining water pollution control practices for wind erosion control, tracking control, non-storm water management, and waste management and materials pollution control. The National Weather Service weather forecast shall be monitored and used by the Contractor on a daily basis. An alternative weather forecast proposed by the Contractor may be used if approved by the Engineer. If precipitation is predicted, the necessary water pollution control

practices shall be deployed prior to the onset of the precipitation. Disturbed soil areas shall be considered active whenever the soil disturbing activities have occurred, continue to occur or will occur during the ensuing 21 days. Non-active areas shall be protected as prescribed in the Construction Site BMPs Manual within 14 days of cessation of soil disturbing activities or prior to the onset of precipitation, whichever occurs first. In order to provide effective erosion control, the Contractor may be directed by the Engineer to apply permanent erosion control in small or multiple units. The Contractor's attention is directed to "Erosion Control (Type D)" of these special provisions.

Rainy Season Implementation Requirements

Soil stabilization and sediment control practices shall be provided throughout the rainy season, defined as between October 15th and April 15th. An implementation schedule of required soil stabilization and sediment control practices for disturbed soil areas shall be completed no later than 20 days prior to the beginning of each rainy season. The implementation schedule shall identify the soil stabilization and sediment control practices and the dates when the implementation will be 25 percent, 50 percent and 100 percent complete, respectively. For construction activities beginning during the rainy season, the Contractor shall implement applicable soil stabilization and sediment control practices. Throughout the defined rainy season, the active disturbed soil area of the project site shall be not more than 2 hectares. The Engineer may approve, on a case-by-case basis, expansions of the active disturbed soil area limit. Soil stabilization and sediment control materials shall be maintained on site sufficient to protect disturbed soil areas. A detailed plan for the mobilization of sufficient labor and equipment shall be maintained to deploy the water pollution control practices required to protect disturbed soil areas prior to the onset of precipitation.

Non-Rainy Season Implementation Requirements

The non-rainy season shall be defined as days outside the defined rainy season. The Contractor's attention is directed to the Construction Site BMPs Manual for soil stabilization and sediment control implementation requirements on disturbed soil areas during the non-rainy season. Disturbed soil areas within the project shall be protected in conformance with the requirements in the Construction Site BMPs Manual with an effective combination of soil stabilization and sediment control.

MAINTENANCE

To ensure the proper implementation and functioning of water pollution control practices, the Contractor shall regularly inspect and maintain the construction site for the water pollution control practices identified in the SWPPP. The construction site shall be inspected by the Contractor as follows:

- A. Prior to a forecast storm.
- B. After a precipitation event which causes site runoff.
- C. At 24 hour intervals during extended precipitation events.
- D. Routinely, a minimum of once every two weeks outside of the defined rainy season.
- E. Routinely, a minimum of once during the defined rainy season.

The Contractor shall use the Storm Water Quality Construction Site Inspection Checklist provided in the Preparation Manual or an alternative inspection checklist provided by the Engineer. One copy of each site inspection record shall be submitted to the Engineer within 24 hours of completing the inspection.

REPORTING REQUIREMENTS

Report of Discharges, Notices or Orders

If the Contractor identifies discharges into surface waters or drainage systems in a manner causing, or potentially causing, a condition of pollution, or if the project receives a written notice or order from a regulatory agency, the Contractor shall immediately inform the Engineer. The Contractor shall submit a written report to the Engineer within **7** days of the discharge event, notice or order. The report shall include the following information:

- A. The date, time, location, nature of the operation, and type of discharge, including the cause or nature of the notice or order.
- B. The water pollution control practices deployed before the discharge event, or prior to receiving the notice or order.
- C. The date of deployment and type of water pollution control practices deployed after the discharge event, or after receiving the notice or order, including additional measures installed or planned to reduce or prevent reoccurrence.
- D. An implementation and maintenance schedule for affected water pollution control practices.

Report of First-Time Non-Storm Water Discharge

The Contractor shall notify the Engineer at least **3** days in advance of first-time non-storm water discharge events, excluding exempted discharges. The Contractor shall notify the Engineer of the operations causing non-storm water discharges and shall obtain field approval for first-time non-storm water discharges. Non-storm water discharges shall be monitored at first-time occurrences and routinely thereafter.

Annual Certifications

By **June 15** of each year, the Contractor shall complete and submit an Annual Certification of Compliance, as contained in the Preparation Manual, to the Engineer.

SAMPLING AND ANALYTICAL REQUIREMENTS

The Contractor is required to implement specific sampling and analytical procedures to determine whether BMPs implemented on the construction site are:

- A. preventing pollutants that are known or should be known by permittees to occur on construction sites that are not visually detectable in storm water discharges, to cause or contribute to exceedances of water quality objectives, and
- B. preventing further impairment by sediment in storm waters discharged into water bodies listed as impaired due to sediment, siltation or turbidity.

Non-Visible Pollutants

The project has the potential to discharge non-visible pollutants in storm water from the construction site. The project SWPPP shall contain a Sampling and Analysis Plan (SAP) that describes the sampling and analysis strategy and schedule to be implemented on the project for monitoring non-visible pollutants in conformance with this section.

The SAP shall identify potential non-visible pollutants that are known or should be known to occur on the construction site associated with the following: (1) construction materials, wastes or operations; (2) known existing contamination due to historical site usage; or (3) application of soil amendments, including soil stabilization products, with the potential to alter pH or contribute toxic pollutants to storm water. Planned material and waste storage areas, locations of known existing contamination, and areas planned for application of soil amendments shall be shown on the SWPPP Water Pollution Control Drawings.

The SAP shall identify a sampling schedule for collecting a sample down gradient from the applicable non-visible pollutant source and a sufficiently large uncontaminated control sample during the first two hours of discharge from rain events during daylight hours which result in a sufficient discharge for sample collection. If run-on occurs onto the non-visible pollutant source, a run-on sample that is immediately down gradient of the run-on to the Department's right of way shall be collected. A minimum of 72 hours of dry weather shall occur between rain events to distinguish separate rain events.

The SAP shall state that water quality sampling will be triggered when any of the following conditions are observed during the required storm water inspections conducted before or during a rain event:

- A. Materials or wastes containing potential non-visible pollutants are not stored under watertight conditions.
- B. Materials or wastes containing potential non-visible pollutants are stored under watertight conditions, but (1) a breach, leakage, malfunction, or spill is observed; and (2) the leak or spill has not been cleaned up prior to the rain event; and (3) there is the potential for discharge of non-visible pollutants to surface waters or drainage system.
- C. Construction activities, such as application of fertilizer, pesticide, herbicide, methyl methacrylate concrete sealant, or non-pigmented curing compound have occurred during a rain event or within 24 hours preceding a rain event, and there is the potential for discharge of pollutants to surface waters or drainage system.
- D. Soil amendments, including soil stabilization products, with the potential to alter pH levels or contribute toxic pollutants to storm water runoff have been applied, and there is the potential for discharge of pollutants to surface waters or drainage system (unless independent test data are available that demonstrate acceptable concentration levels of non-visible pollutants in the soil amendment).
- E. Storm water runoff from an area contaminated by historical usage of the site is observed to combine with storm water, and there is the potential for discharge of pollutants to surface waters or drainage system.

The SAP shall identify sampling locations for collecting down gradient and control samples, and the rationale for their selection. The control sampling location shall be selected where the sample does not come into contact with materials, wastes or areas associated with potential non-visible pollutants or disturbed soil areas. Sampling locations shall be shown on the

SWPPP Water Pollution Control Drawings. Only trained personnel shall collect water quality samples and be identified in the SAP. Qualifications of designated sampling personnel shall describe training and experience, and shall be included in the SWPPP. The SAP shall state monitoring preparation, sample collection procedures, quality assurance/quality control, sample labeling procedures, sample collection documentation, sample shipping and chain of custody procedures, sample numbering system, and reference the construction site health and safety plan. The SAP shall identify the analytical method to be used for analyzing down gradient and control samples for potential non-visible pollutants on the project. For samples analyzed in the field by sampling personnel, collection, analysis, and equipment calibration shall be in conformance with the Manufacturer's specifications. For samples that will be analyzed by a laboratory, sampling, preservation, and analysis shall be performed by a State-certified laboratory in conformance with 40 CFR 136. The SAP shall identify the specific State-certified laboratory, sample containers, preservation requirements, holding times, and analysis method to be used. A list of State-certified laboratories that are approved by the Department is available at the following internet site: http://www.dhs.ca.gov/ps/ls/elap/html/lablist_county.htm.

Analytical Results and Evaluation

The Contractor shall submit a hard copy and electronic copy of water quality analytical results and quality assurance/quality control data to the Engineer within 5 days of sampling for field analyses and within 30 days for laboratory analyses. Analytical results shall be accompanied by an evaluation from the Contractor to determine if down gradient samples show elevated levels of the tested parameter relative to levels in the control sample. If down gradient or downstream samples, as applicable, show increased levels, the Contractor will assess the BMPs, site conditions, and surrounding influences to determine the probable cause for the increase. As determined by the assessment, the Contractor will repair or modify BMPs to address increases and amend the SWPPP as necessary. Electronic results (in one of the following file formats: .xls, .txt, .csv, .dbs, or .mdb) shall have at a minimum the following information: sample identification number, contract number, constituent, reported value, method reference, method detection limit, and reported detection limit. The Contractor shall document sample collection during rain events.

Water quality sampling documentation and analytical results shall be maintained with the SWPPP on the project site until a Notice of Completion has been submitted and approved. If construction activities or knowledge of site conditions change, such that discharges or sampling locations change, the Contractor shall amend the SAP in conformance with this section, "Water Pollution Control."

PAYMENT

The contract lump sum price paid for prepare storm water pollution prevention plan shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all the work involved in developing, preparing, obtaining approval of, revising, and amending the SWPPP, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Attention is directed to Section 9-1.06, "Partial Payments," and Section 9-1.07, "Payment After Acceptance," of the Standard Specifications. Payments for prepare storm water pollution prevention plan will be made as follows:

- A. After the SWPPP has been approved by the Engineer, 75 percent of the contract item price for prepare storm water pollution prevention plan will be included in the monthly partial payment estimate.
- B. After acceptance of the contract in conformance with the provisions in Section 7-1.17, "Acceptance of Contract," of the Standard Specifications, payment for the remaining 25 percent of the contract item price for prepare storm water pollution prevention plan will be made in conformance with the provisions in Section 9-1.07.

The contract lump sum price paid for water pollution control shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing, constructing, removing, and disposing of water pollution control practices, including non-storm water management, and waste management and materials pollution water pollution control practices, except those for which there is a contract item of work as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Storm water sampling and analysis will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications. No payment will be made for the preparation, collection, analysis, and reporting of storm water samples required where appropriate BMPs are not implemented prior to a rain event, or if a failure of a BMP is not corrected prior to a rain event.

Full compensation for maintenance costs of water pollution control practices, as specified in this section, "Water Pollution Control," shall be considered as included in the contract lump sum price paid for water pollution control and no additional compensation will be allowed therefore.

SUPPORTING MATERIALS FOR BMP 6-7.e

Compliance Inspection Checklist for Vehicle Service Facilities

Facility Name	Monterey County Fleet Maintenance Yard
Facility Address	Laurel Yard, Salinas, CA
Facility Contact Person	Thomas Abear
Facility Telephone	
Inspector's Name	Elizabeth Krafft
Date of Inspection	September 5, 2008

HOUSEKEEPING	YES	NO	OTHER
Are drip pans used under leaking vehicles to capture fluids?	X		
Are shop floors and other paved surfaces regularly swept, vacuumed, or mopped rather than hosed down?	X		Use 2 floor scrubbers
Are all unnecessary hoses removed to discourage washing down floors and outside paved areas?	X		
Are all metal filings, dust, and paint chips collected from grinding, shaving, and sanding disposed of properly?	X		
Is all dust from other activities (e.g. brake pad dust) collected and disposed of in compliance with local requirements?	X		
Are cleaning rags recycled through an industrial laundry?	X		
Are storm water treatment facilities within the facility boundary being properly maintained?	X		
Are storm drains labeled with "No Dumping – Discharges to Ocean"	X		
Are vehicles that are received to be parted or scavenged parked on a paved surface and immediately drained of gasoline and other fluids, and are these fluids properly disposed of?		X	For salvage reasons fluids are drained only if there are leaks.
Are drip pans in place to catch leaking fluids?	X		
Are all fluids drained from components, such as engine blocks, which are stored for reuse or reclamation?			N/A engine blocks are not stored
Are these components kept under cover and on a drop pan or sealed floor?			N/A

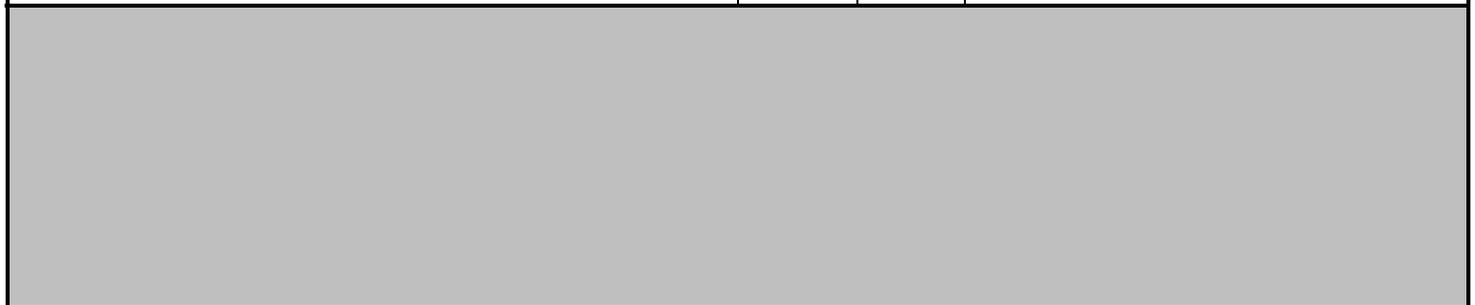


STORAGE	YES	NO	OTHER
Are hazardous materials and wastes, including waste containers of antifreeze and oil, stored in secondary containment where they are protected from rain and in a way that prevents spills from reaching the sanitary sewer or storm drain?	X		
Are lids kept on waste barrels and containers, and stored indoors or under cover to reduce exposure to rain?	X		
Are all hazardous wastes labeled according to hazardous waste regulations?	X		
Are wastes kept separate to increase waste recycling/disposal options and to reduce costs?	X		
Is waste oil prevented from being mixed with fuel, antifreeze, or chlorinated solvents?	X		
Are all bulk fluids and wastes double contained to prevent accidental discharges to the sewer and storm drain?	X		
Are all storage areas kept clean and dry, so that leaks and spills are detected as soon as possible?	X		
Are new and old batteries stored securely to avoid breakage and acid spills during earthquakes?	X		On racks and sealed.
Are all used batteries stored indoors and in plastic trays to contain potential leaks?	X		
Are all old batteries recycled?	X		
SPILL CONTROL	YES	NO	OTHER
<i>(Note: The Best Spill Control is Prevention)</i>			
Is the spill response plan maintained and kept current, and are all employees trained on the elements of the plan?	X		
Is the distance between waste collection points and storage areas minimized?	X		
Are all solid and liquid wastes contained and covered, especially during transfer?	X		
Are absorbent materials purchased and maintained in accordance with local regulations and procedures for containment and cleanup of different spills?	X		
Are they easily accessible from anywhere in the shop?	X		
Are the leaks and drips spot cleaned routinely?	X		
Are the floor drains checked to ensure that they are not connected to or discharge to the storm drain system?			No floor drains.

OUTDOOR WASTE RECEPTACLE AREAS	YES	NO	OTHER
Are leaks and drips cleaned routinely to prevent runoff of spillage?	X		
Is the possibility of pollution from outside waste receptacles minimized by doing at least one of the following:			
Using only watertight waste receptacle(s) and keeping the lid(s) closed, or	X		

Grading and paving the waste receptacle area to prevent run-on of storm water, and installing a low containment berm around the waste receptacle area or installing a roof over the waste receptacle area			
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EDUCATION AND TRAINING	YES	NO	OTHER
Are all employees trained upon hiring, and annually thereafter on personal safety, chemical management, and proper methods for handling and disposing of waste?	X		
Do all employees understand storm water discharge prohibitions, wastewater discharge requirements, and these best management practices?	X		
Are training logs or similar methods used to document training?	X		
Are instructional/informational signs posted around the shop for customers and employees?	X		
Are drains labeled within the facility boundary, by paint/stencil (or equivalent), to indicate whether they flow to an on-site treatment device, directly to the sanitary sewer, or to a storm drain.	X		
Are emergency telephone numbers of the wastewater treatment plant and the fire department posted?		X	Training has been provided. Due to the county phone system the correct emergency number is 9-911



CHANGING OIL AND OTHER FLUIDS	YES	NO	OTHER
Are vehicle fluids changed, whenever possible, indoors and only on floors constructed of non-porous	X		

materials?			
Are drip pans used if vehicle fluids must be removed outdoors?	X		
Are spills prevented from reaching the street or storm drain by working over an absorbent mat and covering nearby storm drains, or working in a bermed area? (Note: If necessary, absorbent socks can be used to create a bermed area)	X		
When draining fluids into a drain pan, is a larger drip pan (e.g., 3' x 4') placed under the primary drain pan to catch any spilled fluids?		X	
Are fluids drained from vehicles transferred to a designated waste storage area as soon as possible?	X		
Are drain pans and other open containers of fluids covered and within secondary containment unless they are attended by personnel?	X		
Is antifreeze and waste oil stored separately and recycled, or disposed of as hazardous waste?	X		
CLEANING ENGINES AND PARTS, AND FLUSHING RADIATORS	YES	NO	OTHER
Are discharges from engine cleaning and flushing of radiators prevented from being discharged to the sanitary sewer and storm drains? (Note: A licensed service should be used to haul and recycle or dispose of wastes)			N/A
Is steam cleaning of engines done using a closed-loop water recycling system? (Note: No steam cleaning water may be discharged to the sanitary sewer or the storm drain)			N/A
Are specific areas or service bays designated for engine, parts, or radiator cleaning? (Note: Parts should not be washed or rinsed outdoors)	X		
Are self-contained sinks and tanks used when working with solvents, and are sinks and tanks kept covered when not in use?	X		
Are degreasing solvent sinks inspected regularly for leaks, and are necessary repairs made immediately?	X		
Is soldering avoided over drip tanks, and are drippings swept up and recycled or disposed of as hazardous waste?			N/A
Are parts rinsed and drained over the solvent sink or tank, so that solvents will not drip or spill onto the	X		

floor, and are drip boards or pans used to catch excess solvent solutions and divert them back to a sink or tank?			
Are parts allowed to dry over the hot tank, and if rinsing is required, is it performed over the tank as well?	X		

Are parts cleaning solvent solutions and water used in flushing and testing radiators collected and reused, and when reuse is no longer possible, are these solutions disposed of properly?	X		
Are cleaning solutions used for engines or parts prevented from being discharged into the sanitary sewer system without adequate treatment? (<u>Note</u> : Most facilities have these solutions hauled off-site as hazardous waste because of the permits necessary for on-site treatment. Rinse water may only be discharged to the sanitary sewer after adequate treatment and approval by the local wastewater authority. Wastewater from steam cleaning or engine/parts cleaning should never be discharged to a street, gutter, storm drain, or sanitary sewer)	X		

WASHING CARS AND OTHER VEHICLES			
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	YES	NO	OTHER
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			Fleet provides coupons for vehicle washing at local authorized commercial car washes.
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<i>Regular Activity</i>			
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If car washing is a central activity of the business, is the wash water treated and recycled?			N/A
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Is a vehicle washing area designated, and are cars and trucks washed only in that area?			N/A
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Is the “wash pad” bermed to prevent discharges to storm drains and does it discharge to the sanitary sewer after adequate treatment and approval of the local wastewater authority? (<u>Note</u> : An outside wash pad should be covered, or its area minimized to reduce the amount of rainwater reaching the sanitary sewer. Consult the local wastewater authority for guidance)			N/A
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Are acid-based wheel cleaners and other specialized cleaners prohibited, or if not, are they provided proper treatment before discharge to the sewer? (<u>Note</u> : Consult the local wastewater authority for guidance)			N/A
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<i>Occasional Activity</i>			
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If soap is used in washing, is the wash water collected and discharged, preferably with treatment, to the sanitary sewer, and not discharged to a storm drain?			N/A
Is rinse water from spray-on acid-based wheel cleaners prevented from flowing to a street, gutter, or storm drain?			N/A
<i>Washing New Vehicles</i>			
Are storm drains protected from solvents used to remove protective coatings from new cars? (<u>Note</u> : Discharges of these solvents to the sanitary sewer must receive adequate treatment and approval of the local wastewater authority)			N/A
BODY REPAIR AND PAINTING	YES	NO	OTHER
			Fleet does no body repair or painting at this facility.
Whenever possible is body repair and painting work conducted indoors or under cover?			N/A
Are damaged vehicles inspected for leaks when they are received, and are drip pans used if necessary?			N/A
Are hose-off degreasers prohibited from use when cleaning auto body parts before painting? (<u>Note</u> : These should not be used, instead brush off loose debris and use rags to wipe down parts)			N/A
Are dry cleanup methods such as vacuuming or sweeping used to clean up dust from sanding metal or body filler? (<u>Notes</u> : Debris from wet sanding can be allowed to dry overnight on the shop floor, then swept and vacuumed. Liquid from wet sanding should not be discharged to the storm drain)			N/A
Is the use of water to control overspray or dust in the paint booth prohibited unless it is collected and treated before discharge into the sanitary sewer system?			N/A
Are spray guns cleaned in a self-contained cleaner and is the cleaning solution recycled when it becomes too dirty to use? (<u>Note</u> : Never discharge cleaning waste to the sanitary sewer or storm drain?)			N/A
FUEL DISPENSING	YES	NO	OTHER
Are fuel dispensing areas maintained using dry cleanup methods such as sweeping for removal of	X		

litter and debris, or use of rags and absorbents for leaks and spills? (Note: Fueling areas should never be washed down unless dry cleanup has been done and the wash water is collected and disposed of in the sanitary sewer system)			
Are underground storage tanks fitted with spill containment and overflow prevention systems meeting the requirements of Section 2635(b) of Title 23 of the California Code of Regulations?	X		
Except where prohibited by local fire departments are fuel dispensing nozzles fitted with "hold-open latches" (automatic shutoffs)?	X		
Are signs posted at the fuel dispenser or fuel island warning vehicle owners/ operators against "topping off" of vehicle fuel tanks?	X		Signs have been posted.
ACTIONS TAKEN FOLLOWING INSPECTION	YES	NO	COMMENTS
Responsible party requested to correct any deficiencies noted above? (Include date notice was sent)		X	
Site reinspected following corrective action by responsible party? (Include date of reinspection)			
Deficiencies found to be corrected during reinspection?			
Further action taken or necessary following reinspection? (Describe)		X	

SUPPORTING MATERIALS FOR BMP 6-2.a

Monterey County Health Department
 Division of Environmental Health
 Certified Unified Program Agency



1270 Natividad Road, Room B301, Salinas, CA 93906
 Phone: (831) 755-4511 Fax: (831) 755-8954
 http://www.co.monterey.ca.us/health/

Centered at Fleet Inspection (see return to Comptroller per Page ___ of ___)

Underground Storage Tank (UST) Inspection Checklist: Double Walled System

CONSENT TO INSPECT GRANTED BY (Name/Title) T. ABEAR
Inspection may involve obtaining photographs, review and copying of records, and determination of compliance with hazardous material and waste handling requirements.

Facility Name: Monterey Co. Fleet Mgmt. Date of Inspection: 4-24-07
 Facility Address: 885 E. Laurel Dr. SAC. FUEL STATION Permit Number: _____

TYPE OF INSPECTION:
 Routine Follow-up Monitoring Certification Initial Closure Other _____

The following citations refer to Title 23 of the California Code of Regulations (CCR) or Chapters 6.7 of the Health & Safety Code (CHSC).
 C=Compliant; V=Violation; N/A=Not Applicable

	Citations	TANK 1			TANK 2			TANK 3				
		CHSC	CCR	C	V	N/A	C	V	N/A	C	V	N/A
Material Stored				Unleaded	Diesel	Unleaded						
UST Capacity (gallons)												
I. Required Record Keeping & Documentation												
Updated CUPA Forms (Former A and B)	25286(a)			C	V	N/A	C	V	N/A	C	V	N/A
Updated Financial Responsibility	25292.2(a)			C			C			C		
Submitted Owner/Operator Agreement	25284(a)(3)	2620(b)		C	V	N/A	C	V	N/A	C	V	N/A
Approved Monitoring Plan		2632(b), 2634(d), 2711(a)(9)		C	V	N/A	C	V	N/A	C	V	N/A
Updated Emergency Response Plan	25289(b)	2632(d)(2), 2634(e)		C			C			C		
Permits current and onsite	2582849(a)	2712(i)		C			C			C		
Submitted Plot Plan		2711(a)(8)		C			C			C		
UST System Records:												
Continuous monitoring system certified annually	25284.1(a)(4)(C)	2630(d), 2641(j)		✓			✓			✓		
Secondary Containment tested every 36 months	25284.1	2637(a)		✓			✓			✓		
Reported & Recorded accidental releases	25294, 25295	2651, 2652			X			X			X	
Maintenance & monitoring records available		2712(b)		✓			✓			✓		
Spill buckets tested annually	25284.2			✓			✓			✓		
Documented Designated Operator Inspections		2715(c)		✓			✓			✓		
Training documented and facilitated by Designated Operator		2715(f)		✓			✓			✓		
II. Required UST System												
Monitor is not in state of alarm at beginning of inspection		2632(d)		✓			✓			✓		
Audible and visual alarms functioning properly		2632(c)(2)(B), 2636(f)(1)		✓			✓			✓		
Monitoring of Interstitial Space: <input type="checkbox"/> Visual Monitoring System <input checked="" type="checkbox"/> Continuous Monitoring System		2632(c)(1), 2632(c)(2)		✓			✓			✓		
Sticker/tag affixed to monitoring equipment at certification		2637(b)(5)										
UST system has approved overfill protection		2635(b)(2)		C			C			C		
Spill container in good condition and liquid free		2635(b)(1)		✓			✓			✓		
Fill box drain functional or alternative available		2635(b)(1)(C)										
Containment sump is liquid free		2631(d)(4)										
Sump sensors are placed adequately and/or at lowest point in the sump		2641(a)										
Dispenser Containment is free of liquid or debris		2631(d)(4)										
III. Required Pressurized Piping System												
Option 1: Turbine sump sensors have continuous audible and visual alarm Under Dispenser Containment (UDC) Monitor Line Leak Detector Positive Shut-down		2636(f)(1),(2),(3),(5)		C			C			C		
Option 2: Turbine sump sensors have audible and visual alarm UDC Monitor Line Leak Detector Annual Line Leak Test		2636(f)(1),(2),(3),(4)										
Option 3: (Emergency Generators ONLY) Continuous audible and visual alarms Monitoring system checked daily		2636(f)(6)										

Facility Representative's Initials/Date: TA 24 APR 07
 CUPA Inspector's Initials/Date: NM 4/26/07



Hazardous Waste Generator Inspection Checklist

CONSENT TO INSPECT GRANTED BY (Name/Title) T. Alcaraz
Inspection may involve obtaining photographs, soil sampling, review and copying of records, and determination of compliance with hazardous waste handling requirements.

Facility Name: Monterey Co. Fleet Mgmt. Date of Inspection: 4-24-07
 Facility Address: 855 E. Laurel Dr., SCLINAS Permit Number: FA08 18 209
Big A.

TYPE OF INSPECTION: Routine Follow-up Closure Complaint
 EPA IDENTIFICATION NUMBER: CAL 000125 761

The following citations refer to Title 22 of the California Code of Regulations. C=Compliant; V=Violation; N/A=Not Applicable

I. Required Record Keeping & Documentation	Citation	C	V	N/A
EPA ID Number obtained.	66262.12(a)	C		
Transporter and TSDF used have EPA identification number.	66262.12(c)	C		
Hazardous Waste (HW) determination made for all wastes.	66262.11(a)	C		
HW shipped with manifest.	66262.2	C		
Manifest kept 3 years.	66262.40(a)	C		
HW analyses kept 3 years.	66262.40(c)			X
Manifest received from TSDF.	66262.42			X
Contingency Plan/ Emergency Response Plan/ Business Response Plan submitted.	66264.53(a)	C		
Copy of Plan on site.	66264.53	C		
Plan complete.	66264.53	C		
Emergency Response (ER) Coordinator familiar w/ Plan.	66264.55	C		
II. Requirements for Container/Tank Management	Citation	C	V	N/A
Containers in good condition.	66265.171	C		
Compatible with containers.	66265.172	C		
Containers closed/sealed except when adding/removing <u>Antifreeze</u>	66265.173(a)		V	
Storage area inspected weekly.	66265.174			
Incompatible HWs separated.	66265.20	C		
Used oil filters managed properly and removed within 180 days (1 year if <1 ton).	66266.130(a), (c)(4)	C		
Waste is not accumulated more than 90/180/270 days.	66262.34(a)	C		
Empty containers managed within 1 year.	66261.7(f)			X
Universal waste accumulated less than one year.	662773.15(a)			X
General good housekeeping of facility.	66265.173 66265.174	C		

III. Requirements for Labeling	Citation	C	V	N/A
Containers clearly and properly labeled.	66262.31/32	C		
Universal waste container properly labeled.	66273.14			X
Used oil filters drained and containers labeled.	66266.130(c)(3)	C		
Empty containers labeled and dated.	66261.7(f)			X
Hazardous Waste Storage area properly posted.	66265.14	C		
IV. Requirements for Employee Training	Citation	C	V	N/A
Training provided annually.	66265.16		V	
New hires trained within 6 mos.	66265.16(b)		V	
Training records kept on site.	66265.16(d)	C		
Training records kept for 3 years.	66265.16(e)	C		
V. Requirements for Preparedness & Prevention	Citation	C	V	N/A
Spill control equipment available.	66264.32	C		
ER equipment in order.	66264.33	C		
ER equipment storage secure.	66264.14	C		
Aisle space in HW storage area adequate.	66264.35	C		

Waste Stream	Monthly Quantities	Manifest Number(s)	Transporter/Hauler
Waste Oil	750	3206/492	America Valley
Used Oil Filters	532 X 2	330/492	Shog Htz
Antifreeze	160		Amv. Valley
Parts Cleaner			
Dry Clean Solvent/TCE			
Batt.	6		Intrastate

COMMENTS

1) Make sure labels on drums and containment are clear/legible.
< Waste oil tank/detergents/absorbent >

5 x 55 ORO.

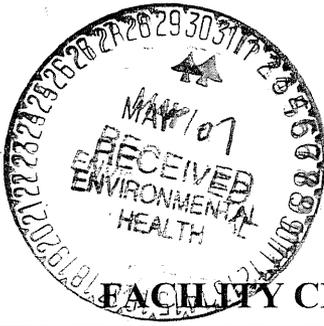
See additional comments and/or violations listed on the Facility Certification of Return to Compliance Form.
 See additional comments and/or violations on Inspection Narrative Form.

VIOLATIONS MUST BE CORRECTED BY: 5-24-07.

This inspection was conducted under authority of Titles 19, 22, 23 and 27 of the California Code of Regulations and/or Chapters 6.5, 6.7, and 6.95 of the Health and Safety Code and/or County and City codes and regulations. Items checked on the inspection forms represent a violation of the particular section for which there are civil as well as criminal penalties and fines ranging from \$2,000 to \$25,000 per day per violation. Any grace period granted by this department shall in no way bind the district attorney from prosecuting you for the violations noted. Corrections are required of all violations noted on all inspection forms attached. A reinspection fee of \$111.00 will be levied if violations have not been corrected by the reinspection date.

Thomas Alcaraz Printed Name of Facility Representative
Thomas Alcaraz Signature of Facility Representative
24 Apr '07 Date

Nicole Munita Printed Name of CUPA Inspector
Nicole Munita Signature of CUPA Inspector
4-24-07. Date



Monterey County Health Department
Division of Environmental Health
Certified Unified Program Agency

1270 Natividad Rd., Room B301, Salinas CA. 93906
Ph. (831) 755-4511 Fax (831) 755-8954
www.co.monterey.ca.us

ENVIRONMENTAL HEALTH

MAY 31 2007

HEALTH DEPARTMENT



FACILITY CERTIFICATION OF RETURN TO COMPLIANCE

Facility Name: Monterey County Fleet Date of Inspection: 4-24-07
Facility Address: 855 E Laurel Dr. SAL. Permit Number: _____

TYPE OF INSPECTION:				
<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Follow-up	<input type="checkbox"/> Complaint	<input type="checkbox"/> UST Testing/Maintenance/Repair	<input type="checkbox"/> Other

THE FOLLOWING VIOLATIONS EXIST AT THE ABOVE SITE:

- ① Updated UST Tank Pages ^{Specimen w/ note.}
- ② Hazmat Cert Form. 2006-2007 ^{w/ note}
- ③ Label Hazmat Containers/Haz waste Containers
- ④ Keep Containers closed when not in use.
- ⑤ Remove excess waste/liquid from overpack drums in waste containers.
- ⑥ Fix Visual Alarm on Monitoring System.
- ⑦ Remove liquid from Spill Buckets.

VIOLATIONS MUST BE CORRECTED AND THE CERTIFICATION OF RETURN TO COMPLIANCE MUST BE SUBMITTED BY:

5-24-07

Nicole Murray Printed Name of CUPA Inspector
[Signature] Signature of CUPA Inspector
4-24-07 Date

Return the Certification of Return to Compliance form with a copy of your inspection report with the violations documented.

Please be aware that failure to return the Certification of Compliance form may result in a re-inspection of the facility. The facility will be charged for the re-inspection at the Department's current hourly rate.

I certify under penalty of law that:

- Respondent has corrected the violations cited.
- I have personally examined any documentation attached to the certification to establish that the violations have been corrected.
- Based on my examination of the attached documentation and inquiry of the individuals who prepared or obtained it, I believe that the information is true, accurate, and complete.
- I am authorized to file this certification on behalf of the Responder.
- I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Thomas Azam Name of Facility Representative
[Signature] Signature of Facility Representative
30 May '07 Date

TAX 755-5951

SUPPORTING MATERIALS FOR BMP 6-1.a



Refresh Your Perspective on the Storm Drain System



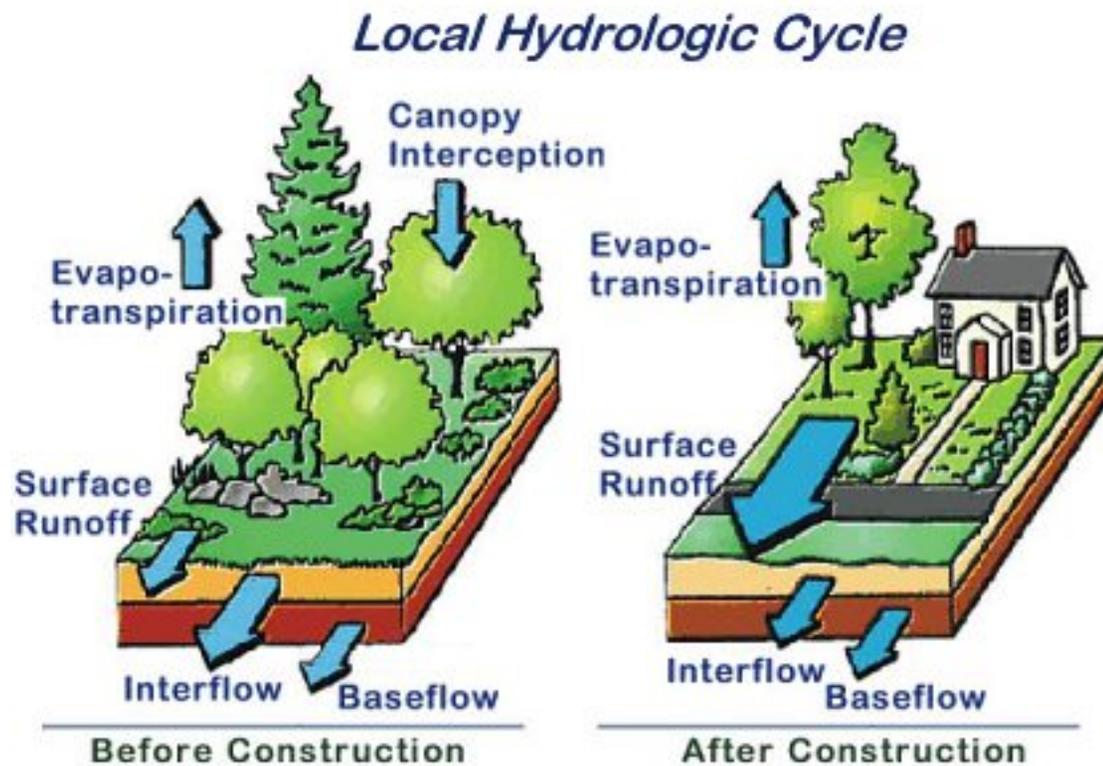
What Happens Between
Here ...



And Here?



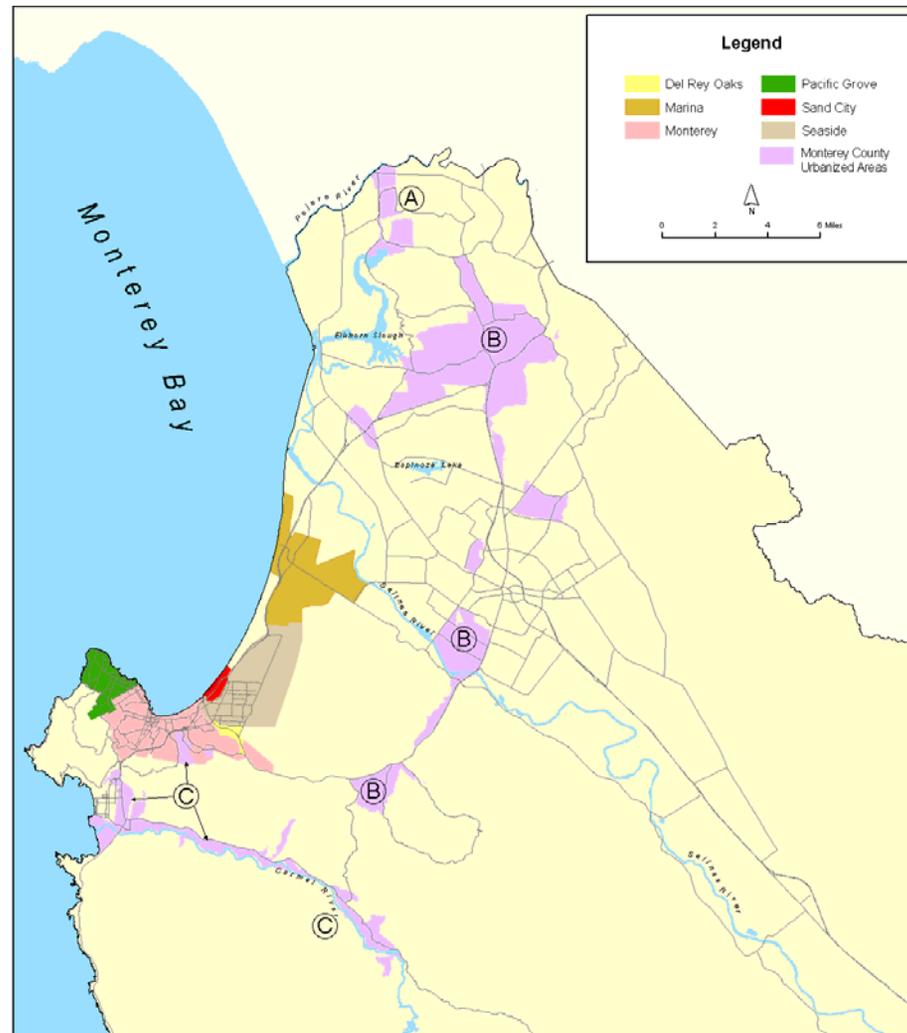
Water Quality Depends on Land Use & Management



National Stormwater Discharge Program

- Phased approach by EPA
 - Phase I – 1990 – large cities
 - City of Salinas
 - Phase II – 1999 – smaller municipalities
 - Most of the municipalities in Monterey County
 - Unincorporated urbanized County

Permit Boundary for the Monterey Regional Storm Water Pollution Prevention Program



National Stormwater Discharge Program is often called:

- Phase II program

or

- Monterey Regional Stormwater Management Program
(MRSWMP)

.or

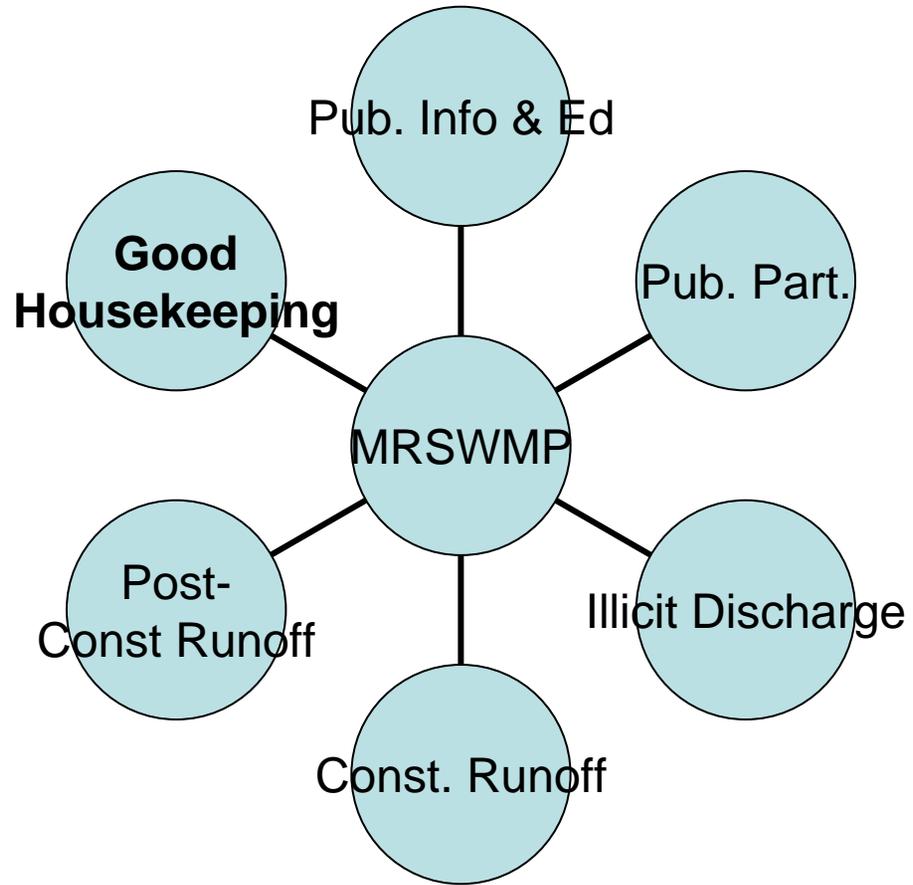
- Storm Water Discharge from
Small Municipal Separate Storm Sewer Systems (MS4s)
Program

General Permit

- Authorized to discharge storm water if have submitted and are implementing a Storm Water Management Program Plan (SWMPP)
- Castroville covered under Monterey's Plan

MS4-specific plan

- What MS4 is going to do
 - Procedures developed
 - Site specific plans
- Where MS4 will do it
 - Regulated areas
 - Specific locations/facilities
 - Specific activities



Pollution Prevention & Good Housekeeping Requirement

- Develop and implement a program to prevent and reduce storm water pollution from **operations and maintenance** (O&M) activities that have the potential to introduce pollutants to storm water runoff



O&M Program Goals

Identify & describe Structural BMPs	Inspect, clean & repair Structural BMPs
Inspect & clean Catch Basins	Employee Training
Check Outfalls for scouring, sedimentation	Street Sweeping
Good Housekeeping	Waste Disposal

Storm Water System

- Traditional Purpose:
 - Convey excess water to a safe location
- Additional Purpose:
 - Remove/treat pollutants before they reach a water body



Good Housekeeping



Preventing Stormwater Pollution at Your Public Works Facility:

Good Housekeeping



- Operations



- Runoff Management



- Preventive Maintenance

Operations



Move operations indoors or under roof

- Vehicle maintenance & repair



- Vehicle washing
 - At proper facilities



Move operations indoors or under roof

- Waste storage
 - Waste fluids
 - Dumpster



Move operations indoors or under roof



Sweep/vacuum paved surfaces



Sweep/vacuum paved surfaces



Pick up litter & debris



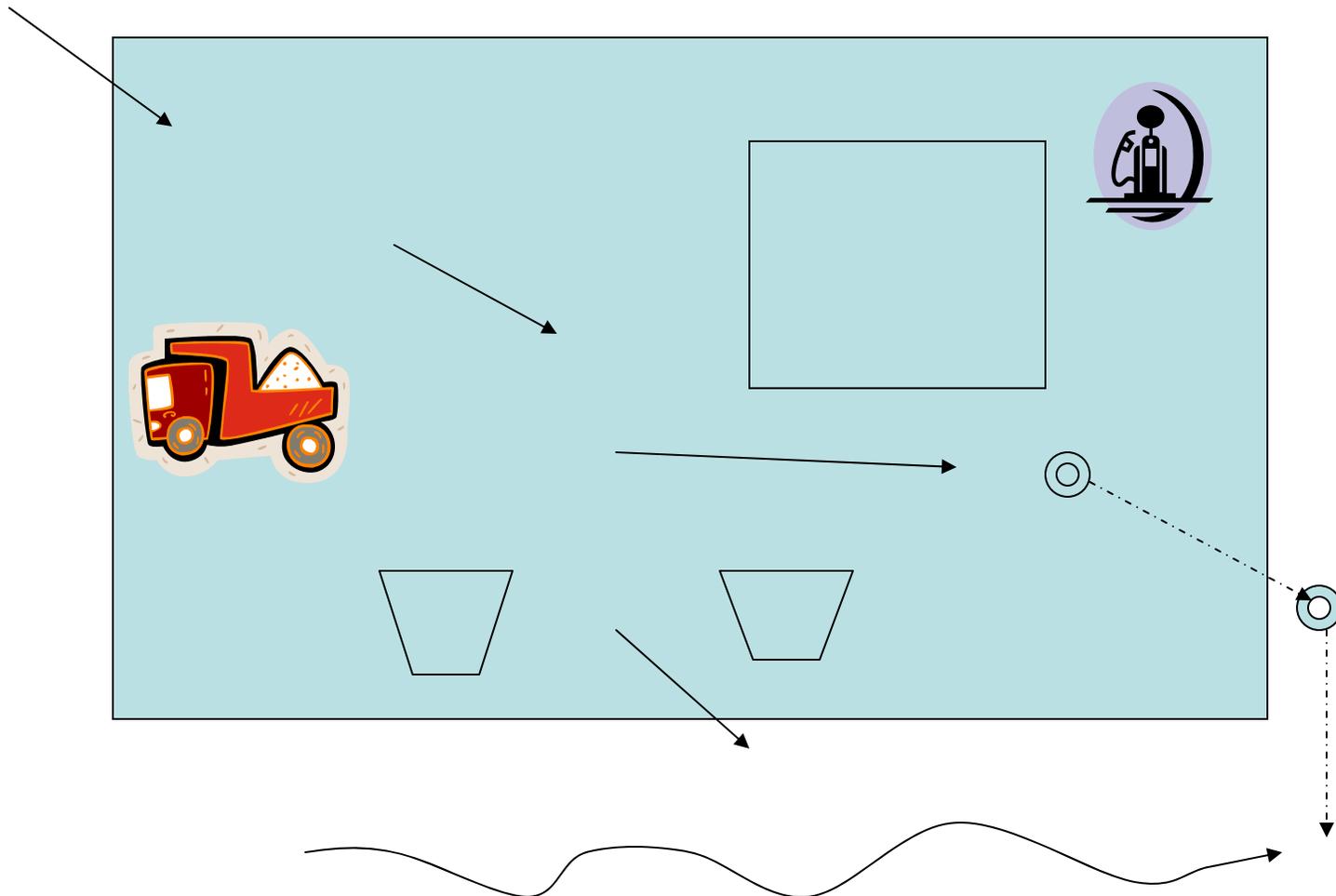
Dispose of waste materials properly in appropriate locations



Runoff Management

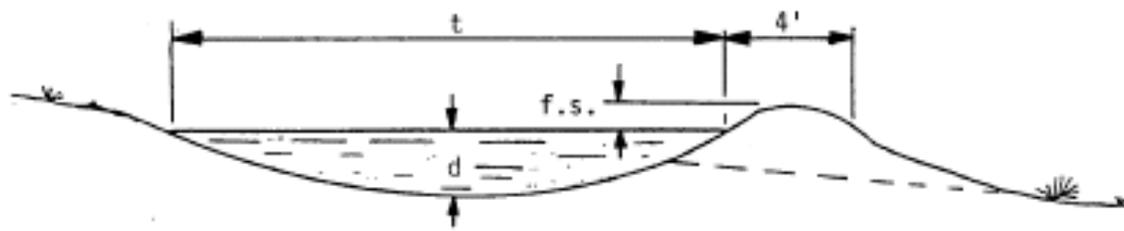


Follow the flow

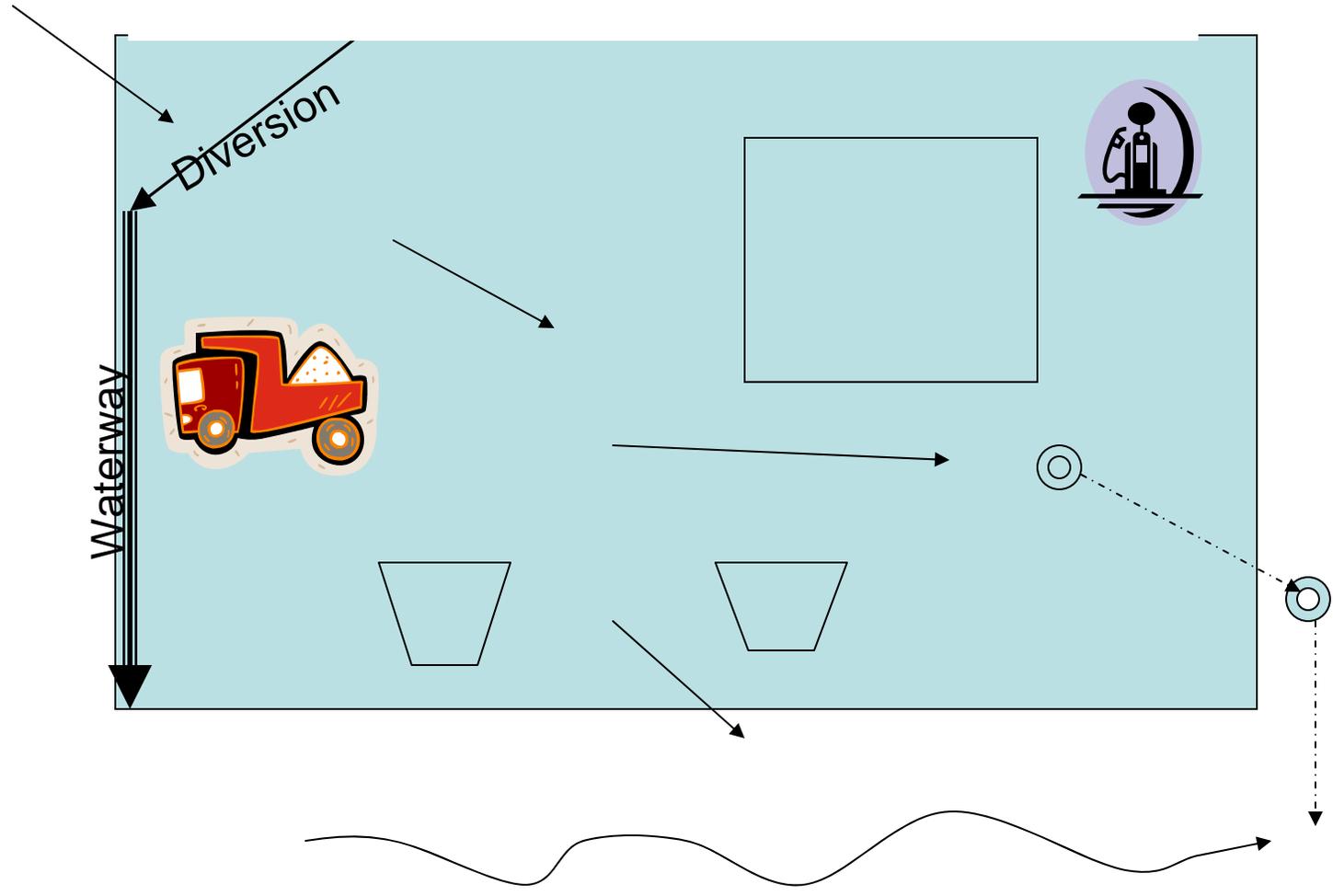


Minimize run on





TYPICAL PARABOLIC DIVERSION



Minimize run off



Install basins if needed



Stabilize outfalls



Sheet flow from impervious areas to vegetated buffer



Biofilter/bioremediation



Preventive Maintenance



Inspect & clean structural BMPs

- Gutters & downspouts



- Inlets





Inspect & clean

- Discharge points



- Structures



Inspect outdoor storage areas

- Cover prior to rain



- Monitor vehicles & equipment for leaks



Erosion & sediment control

- Regularly inspect unpaved areas for signs of erosion
 - Run-on
 - Concentrated flow



Erosion & sediment control

- Stabilize unpaved areas with
 - Vegetation or
 - Mulch



Erosion & sediment control

- Avoid over-irrigation of landscaping



Erosion & sediment control



- Remove accumulated sediment

Preventive Maintenance:

How often is
“periodic” or
“regular”?

- As scheduled by Operations & Maintenance plans
- When need is noted

QUESTIONS?

SUPPORTING MATERIALS FOR BMP 4-3.a

SUPPORTING MATERIALS FOR BMP 3-3.d

Monterey County Discharge complaints received by Environmental Health
09/01/2007 to 08/31/2008

Date Received	Complaint Type	Location	Status	Complaint Number
09/13/2007	Phosphoric acid spilled on ground	Prunedale	Resolved	CO0008681
05/1/2008	Wash water staining driveway	Watsonville	Resolved	CO0009362
05/05/2008	Paint on ground	Carmel Valley	Resolved	CO0009362
06/23/2008	Grease and oil going in storm drain from vehicle washing	Salinas	Resolved	CO0009511
08/08/2008	Oil spilled on ground	Castroville	Resolved	CO0009660
08/08/2008	Unknown substance	Prunedale	Resolved	CO0009664
08/15/2008	Used oil	Carmel Valley	Resolved	CO0009699
08/18/2008	Waste petroleum	Carmel Valley	Resolved	CO0009704

SUPPORTING MATERIALS FOR BMP 2-2.b

The 24th Annual California Coastal Cleanup Day is

**Saturday, September 20, 2008
9 AM to Noon**



California Coastal Cleanup Day is the premier volunteer event focused on the marine environment in the country. On this day, 50,000 volunteers turn out to over 700 cleanup sites statewide to conduct what has been hailed by the Guinness Book of World Records as "the largest garbage collection" (1993). Since the program started in 1985, over 750,000 Californians have removed more than 12 million pounds of debris from our state's shorelines and coast. When combined with the International Coastal Cleanup, organized by [The Ocean Conservancy](#) and taking place on the same day, California Coastal Cleanup Day becomes part of one of the largest volunteer events of the year.

Participating in Coastal Cleanup Day is as easy as [1](#), [2](#), [3](#)!

Pre-register with the Monterey County coordinator Jill Poudrette at (831) 649-2980 or by email at: jpoudrette@parks.ca.gov or www.parks.ca.gov/montereycoastalcleanup.

You can also simply show up at any of our drop-in sites listed at <http://www.coastal.ca.gov/publiced/ccd/counties/monterey.html>.

For more information, contact us at (800) COAST-4U or coast4u@coastal.ca.gov. Join us on Saturday, September 22, 2008 from 9 a.m. to Noon for the 24rd Annual California Coastal Cleanup Day.

Be part of the solution to marine pollution!

This message is posted as part of the Monterey County's Regional Stormwater Management Plan

SUPPORTING MATERIALS FOR BMP 6-10.e

only Dist 1

MONTEREY COUNTY PUBLIC WORKS
OPERATIONS SDIVISION

monthly

INSPECTION AND CLEANING RECORD OF VORTEX UNITS AND DRAIN INLETS
(OPERATIONS METRICS #5)

CULVERT ID	INSPECTION DATE	INSPECTOR	ROADNAME	MP	DIST.	WORK NEEDED *		ACTION TAKEN **	
						1 or 2	ADDITIONAL NOTES	1 or 2	ADDITIONAL NOTES
N 36°54.269'	6-17-08	Bill Sellers	San Juan rd		301			2	.02 cubic yd. removed
W 121°44.877'									
N 36°54.261'	6-17-08	"	" "		301			2	.25 cubic yd. removed
W 121°44.726'									
N 36°54.266'	6-17-08	"	" "		301			2	.50 cubic yd removed
W 121°44.641'									
N 36°54.268'	6-17-08	"	" "		301			2	.03 cubic yd removed
W 121°44.736'									
N 36°54.271'	6-17-08	"	" "		301			2	.10 cubic yd removed
W 121°44.817'									
N 36°54.269'	6-17-08	"	" "		301			2	.50 cubic yd removed
W 121°44.816'									
N 36°54.270'	6-17-08	"	" "		301			2	.25 cubic yd. removed
W 121°44.865'									
N 36°54.272'	6-17-08	"	" "		301			2	.02 cubic yd removed
W 121°44.957'									
N 36°54.270'	6-17-08	"	" "		301			2	.10 cubic yd removed
W 121°44.984'									
N 36°53.741'	6-17-08	"	Railroad ave		301			2	.25 cubic yd removed
W 121°44.806'									

*1- NEEDS REPAIR OR REPLACEMENT

**2 - PLUGGED NEEDS CLEANING

**1 - REPLACED FILTER

**2 - CLEANED / UNPLUGGED

ONLY DIST 1

MONTEREY COUNTY PUBLIC WORKS
OPERATIONS DIVISION

monthly

INSPECTION AND CLEANING RECORD OF VORTEX UNITS AND DRAIN INLETS
(OPERATIONS METRICS # 5)

CULVERT ID	INSPECTION DATE	INSPECTOR	ROADNAME	MP	DIST.	WORK NEEDED *		ACTION TAKEN **
						1 or 2	ADDITIONAL NOTES	
N 36° 53.700' W 121° 44.858' Elevation 19'	6/1/8	J. P. PETERSON	Salinas Rd East Side		1		Paper + Dirt	2 1/2 Cubic Yard
N 36° 53.750' W 121° 44.859' Elevation 13'	"	"	"		1		Paper & Debris	2 1 1/4 Cubic Yard
N 36° 53.806' W 121° 44.859' Elevation 9'	"	"	"		1		Paper + Dirt	2 1/2 Cubic Yard
N 36° 53.858' W 121° 44.858'	"	"	"		1		Paper + Dirt	2 1/2 Cubic Yard
Elevation 50'	"	"	"		1		Paper + Dirt	2 3/4 Cubic Yard
N 36° 53.919' W 121° 44.871' Elevation 51'	"	"	"		1		Paper + Dirt	2 1/2 Cubic Yard
N 36° 53.969' W 121° 44.881' Elevation 31'	"	"	"		1		Paper + Dirt	2 2/3 Cubic Yard
N 36° 54.105' W 121° 44.888' Elevation 26'	"	"	"		1		Papers + Dirt	2 1/4 Cubic Yard
N 36° 54.147' W 121° 44.896' Elevation 36'	"	"	"		1		Paper + Dirt	2 1/2 Cubic Yd
N 36° 54.146' W 121° 44.896' Elevation 25'	"	"	"		1		Paper + Dirt	2 1/4 Cubic Yard
N 36° 54.208' W 121° 44.952' Elevation 6'	"	"	"		1		Paper + Dirt	2 1/4 Cubic Yard
						*1 - NEEDS REPAIR OR REPLACEMENT		
						*2 - PLUGGED NEEDS CLEANING		
						**1 - REPLACED FILTER		
						**2 - CLEANED UNPLUGGED		

OVER
1.7 Total

only Dist 1

MONTEREY COUNTY PUBLIC WORKS
OPERATIONS DIVISION

monthly

INSPECTION AND CLEANING RECORD OF VORTEX UNITS AND DRAIN INLETS

(OPERATIONS METRICS #5)

CULVERT ID	INSPECTION DATE	INSPECTOR	ROADNAME	MP	DIST.	WORK NEEDED *		ACTION TAKEN **
						1 or 2	ADDITIONAL NOTES	
N W 1	7-17-00	MANUEL SANDOVAL	Walker Valley		301	N 36 48 383 W 121 43 201	Elevation 71	
N W 2	7-17-00	MANUEL SANDOVAL	Elk Horn		301	N 36 48 383 W 121 43 252	Elevation 6	
N W 3	7-17-00	MANUEL SANDOVAL	Elk Horn		301	N 36 48 346 W 121 43 356	Elevation 101	
N W 4					301			
N W 5								
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*1- NEEDS REPAIR OR REPLACEMENT
*2- PLUGGED NEEDS CLEANING
**1- REPLACED FILTER
**2- CLEANED / UNPLUGGED

