

**City of Santa Cruz - Storm Water Annual Report BMP Summary Table**  
**Fiscal Year 2014-2015 (General Permit Year 2)**

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
<b>E.6 PROGRAM MANAGEMENT ELEMENT</b>														
E.6.a	Legal Authority (update or create ordinance)				Public Works	Engineering	2		X					
E.6.b	Certification				Public Works	Engineering	2							
	E.6.a, b	N/A	Permittee shall review and revise relevant ordinances or adopt new ordinances to obtain adequate legal authority, and provide certification by its Principal Executive Officer		Public Works	Engineering	2		X				Yes	Certification of legal authority was signed by the City Manager and is attached to the annual report.
E.6.c	Enforcement Response Plan						3							
✓	E.6.c	NEW BMP	Develop and implement an Enforcement Response Plan.				3			X			Year 3	Permit Year 3
<b>E.7 EDUCATION AND OUTREACH PROGRAM</b>														
E.7.a	Public Outreach and Education													
✓	E.7.a	NEW BMP	Select a Public Outreach & Education option		Public Works	Engineering	1	X					Yes	The City's public outreach & education program is a combination of options E.7.a. items 2-3. The City participates in multiple regional outreach and educational efforts including the Regional Media Campaign and the Monterey Bay Green Business Program. Copies of the Regional Media Campaign billing and the Green Business Program MOU were submitted with the Permit Year 1 Annual Report. The City also contributes funding to regional efforts by local non-profit organizations such as: Save Our Shores/Coastal Conservancy; Annual Coastal Cleanup Day; Ecology Action: Our Water Our World & Green Gardner/Monterey Bay Friendly Landscaping Programs; and Coastal Watershed Council: Snapshot Day volunteer monitoring event and the San Lorenzo River Alliance. The City also partnered with the County of Santa Cruz and Surfrider Santa Cruz on a summer anti-litter campaign including bus ads and a slogan "Just Splash, Take Your Trash!" The City also conducts a significant amount of outreach within city limits including school education programs; water quality, pollution prevention & riparian education; and river levee cleanups.
	E.7	PE-17	Assess Community-Based Social Marketing Strategies and Incorporate Them Where Appropriate	Develop pilot CBSM project	Public Works	Engineering	1	X					Yes	In FY13-14, the City hired a firm to conduct a public education survey doing one-on-one interviews with residents using an IPAD. The survey questions including asking people how they received their news and information. The survey was conducted in coordination with the County and other neighboring cities. Also, the City and other municipalities in the Santa Cruz and Monterey region, hired a consultant to provide a training class on Community Based Social Marketing (CBSM) to storm water and recycling staff. The four hour class was held on May 21, 2014 and presented by S. Groner Associates. In FY14-15, the City funded a pilot plastic bag reduction project for the smaller vegetable/fruit plastic bags which was conducted by Save Our Shores (SOS). This project included CBSM measures requested by the City such as pledges and photos/videos which were then posted on the SOS Facebook page.

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✓	E.7.a (ii)	NEW BMP	<b>Develop and implement a comprehensive storm water public education and outreach program</b>	Develop and Implement a public education strategy that establishes education tasks, based on WQ problems, target audiences, and anticipated task effectiveness	Public Works	Engineering	2		X	X	X	X	Yes	The City has a comprehensive and extensive storm water public education & outreach program, which has been in place for many years. Please see the above items for additional information. This year, the program strategy was re-evaluated as required with regard to education tasks, WQ problems, target audiences, and estimated task effectiveness.
	E.7.a (b)	PE-18*	<b>Conduct Surveys to Assess the Effectiveness of the Education Efforts. Conduct a Baseline Evaluation Survey in Year 4 and Conduct an Evaluation Survey Every 5 Years Thereafter.</b>	Survey results that provide feedback on Program effectiveness and indicate areas that need improvement or change	Public Works	Engineering	2 (2x during permit period)	X				X	Yes	The City, in coordination with the County of Santa Cruz and the Cities of Scotts Valley, Capitola, and Watsonville, jointly hired a firm to conduct a public education survey during the spring 2014. The survey was comprised of 50 questions and was conducted by interviewing people at various locations using an IPAD. The results were compiled both into a report specifically for the City and also into a report summarizing the results for the entire County. A copy of the survey summary report is available upon request.
	E.7.a (c,f,h)	PE-3*	<b>Distribute Informational Brochures for Residents</b>	Distribute educational brochures at Public Works counter, City Public Library, and one or more special events.	Public Works	Engineering, Environ Compliance	2	X	X	X	X	X	Yes	Brochures were distributed to the public via a variety of methods including the PW Public Counter, the Public Library and at various special events such as Earth Day. Over 200 Pollution Prevention Tips brochures were distributed and at least 50 more <i>Monterey Bay Begins On Your Street</i> brochures were given out. Additionally, <i>Gardening with CA Native Plants</i> brochures were given out. All these brochures are also available on the city website.
	E.7.a (c,d,f,h)	PE-5*	<b>Distribute BMP Brochures for Businesses</b>	Distribute BMP brochures at 100% of new food and vehicle service facilities during the initial site visit by the Environmental Compliance Inspector and once during permit period to existing food and vehicle service facilities	Public Works	Environ Compliance	2	X	X	X	X	X	Yes	Staff distributed the BMPs at all new FSF and VSFs. There were approximately 1 new FSF and 2 new VSFs during the permit year. These BMPs were revised in 2010. BMPS are distributed by inspectors during visits to businesses and at public events. The BMPS are also posted at the City website.
	E.7.a (c,d,f,h)	PE-6* (same as CF-3, CF-5)	<b>Implement the Clean Ocean Business Program</b>	1. Annual inspections of 100% of food and vehicle service facilities, 2. Annual recognition for 100% of Clean Ocean Businesses	Public Works	Environ Compliance	2	X	X	X	X	X	Yes	Of the 80 VSFs, 61 businesses qualified for the 2015 recognition. This equals 76% of the VSFs. Of the 275 FSFs, 208 businesses qualified for the 2015 recognition. This equals 76% of the FSFs. Recognition letters were sent to COBs on April 30, 2015. The City ran ads in 2 local newspapers during the week of May 3, 2015. An online banner ad ran on one local newspaper website from May 10-May 24, 2015.
	E.7.a (c,d,f)	PE-7*	<b>Partner and Co-sponsor of the Monterey Bay Area Green Business Program</b>	Initiate the Green Business certification (audit) process for 20 business applicants or re-certifications per year	Public Works, Water	Engineering, Refuse & Recycling, Water Cons.	2	X	X	X	X	X	Yes	The City's participation in the Monterey Bay Green Business (MBGB) program includes staff time for program coordination and business audits, and financial support for the Green Business promotional program. The promotional efforts vary slightly from year to year but typically include newspaper ads, TV ads, and web/social media advertising. In FY 2014-2015, 35 businesses became either certified or recertified (required every 3 years). There are currently 131 certified businesses in the City. An additional 40 businesses are "in process" which means they have applied to become certified or recertified "Green" and are working on achieving program requirements. A list of all the certified businesses within the City and in the Monterey Bay area, plus program details, may be viewed on the GBP website at: <a href="http://www.montereybaygreenbusiness.org/">http://www.montereybaygreenbusiness.org/</a> . The certification process includes audits by four auditors (water conservation, wastewater and storm water, energy, and refuse & recycling) and completing all the required measures. Becoming certified typically takes approximately three to eight months depending upon the business.

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	E.7.a (d,f) E.7.b.2.b E.8. (d)	PE-16*	Maintain Environmental Programs and Environmental Compliance Web Pages, and post the City's Draft and Final Storm Water Management Program (SWMP) on the City's Website	1. Environmental Compliance Web Pages, 2. Environmental Programs Web pages 3. SWMP Posted on City Website	Public Works	Environ Compliance	2	x	X	x	x	x	Yes	Staff continually evaluates and updates the City website and Environmental webpages with current info. During the permit year, the Storm Water page was updated re the following items: the revised Spill and Illegal Dumping Reporting phone numbers; the revised <i>Residential Pollution Prevention Tips</i> Brochure; and the revised <i>Monterey Bay Begins on Your Street</i> brochure. The storm water web page was also updated with general improvements such as new photos, updating the rain barrel section, etc. The storm water annual reports are also posted annually upon submittal.
	E.7.a (d)	PE-1*	Replace Worn Stencils or Apply New Stencils to Storm Drain Inlets	24 stencils replaced or newly applied annually	Public Works	Engineering, Streets	2	x	X	x	x	x	Yes	The City funded Save Our Shores (SOS) to assess storm drain catch basins and apply new "No Dumping" markers to unmarked catch basins or those with worn stencils. In total, SOS applied markers to 74 catch basins and assessed over 100 catch basins total.
	E.7.a (d)	Added BMP*	Regional Media Campaign	Participate in Regional Media Campaign annually when implemented by the storm water agencies in the Monterey region	Public Works	Engineeering	N/A	x	X	x	x	x	Yes	The Regional Municipal SW group (including the City of Santa Cruz and 13 other municipal entities located w/in the counties of Monterey and Santa Cruz) again collaborated on and jointly funded a storm water ed media campaign, which was coordinated by a hired consultant. Storm water educational PSAs were run on local TV stations from January-June 2015 during the permit year. The TV stations were: FOX-KCBA, CBS-KION, KMUV (Spanish) and CW-NION. There were a total of 807 PSAs aired with a total of 1,142,300 gross impressions. The ads were on the following topics: marine debris, pet waste, storm drains, and "fowl" water (ad shows urban runoff sources).
	E.7.a (e)	PP-1, PE-15*	Hold Public Meetings for SWMP Related Issues	Hold Public Meetings as needed for SWMP Related Issues and update City Council and Public Works Commission as needed.	Public Works	Engineering	2	x	X	x	x	x	Yes	1) A public meeting was held on May 18, 2015 at a City Transportation and Public Works Commission meeting which included a staff presentation on the annual storm water expenditures and highlights of the City storm water program accomplishments during the past year. Also presented were upcoming storm water permit requirements and new planned projects. There was an opportunity for public comments.
	E.7.a (f)	PE-2*	Participate in Public Events	Participate in at least 1 Public Event annually	Public Works	Engineering, Environ Compliance	2	x	X	x	x	x	Yes	Staff participated in special events including: 1) Earth Day Santa Cruz-on April 18, 2015. SW staff tabled at the event which was jointly organized by the City, County, and NGOs. Approx. 2,500-3,000 people attended the all day event. 2) Public Works Week Celebration on May 20, 2015. Approx. 500 or more people attended the 6-hour event. SW staff tabled at the event with pollution prevention and LID information, plus staff had an additional photo booth with an anti-litter message/photo from the joint summer anti-litter campaign with the County of Santa Cruz and Surfrider Santa Cruz. Photo booth photos were posted on the City PW's Facebook page and people were able to download their photos from the FB page. This served to reinforce the anti-litter message as the photos were digitally "framed" with the joint anti-litter campaign slogan/artwork "Just Splash, Take Your Trash!"
	E.7.a (g)	Added BMP*	LID & Water Efficient Landscaping Outreach & Education for Residents	Water efficient and storm water friendly landscape outreach via for example: RCD, Green Gardner, similar programs, events, advertising, City website, brochures, and/or rebates.	Public Works	Engineeering	2	x	X	x	x	x	Yes	The City provided funding for, or implements programs and outreach re, water efficient and storm water friendly landscape programs. These programs include: 1) Our Water Our World (OWOW) program which is a herbicide/pesticide education program run by Ecology Action (EA) both in the city and area-wide. 2) Green Gardner Program, also run by EA, which educates landscapers and the public on water conserving irrigation techniques, mulching, herbicide/pesticide use, etc. 3) Participation in Ecology Action's Prop 84 Planning Grant re countywide Low Impact Development incentivization and implementation. Through this process, staff is participating in the development of the Monterey Bay Friendly Landscape incentive program. 4) Staff disseminates the Resource Conservation District "Slow it, Spread it, Sink it!" Guide for residents re home retrofits, including LID bmps, at the PW public counter, upon request, special events, and on the city website. 5) City Water Dept./Conservation Division implements rebate programs for rain barrels and lawn removal. 6) SW staff developed and distributes a "Garden, Pool, and Spa Maintenance" Pollution Prevention Tips brochure at the PW public counter, the Main Library, at special events, and on the City website.

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	E.7.a (i)	PE-9*	Partner and Co-sponsor the Regional Pesticide Management Education Program-Our Water Our World Program or similar	Pesticide/herbicide/fertilizer outreach via Our Water Our World, Green Gardener, or similar program using 1 or more of the following methods: brochures or flyers, contractor or employee training, tabling or classes, advertising, PSAs.	Public Works	Engineering	2	x	X	x	x	x	Yes	The City provided funding for the Our Water Our World (OWOW) program which is a herbicide/pesticide education program run by Ecology Action (EA) in the city and area-wide. EA staff conducted training at the 2 local nurseries/garden retail stores and restocked the OWOW fact sheets/flyers ("shelftalkers") in spring 2015 at the nurseries. Of the shelftalkers, the <i>Ants, Healthy Lawns, and Aphids</i> fact sheets are typically the most popular. EA staff or Master Gardener volunteers also held a tabling event at one of the nurseries. The City also provided funding to the area-wide Green Gardner Program however storm water staff time transitioned to participation in Ecology Action's Prop 84 Planning Grant re countywide Low Impact Development incentivization & implementation and the development of a residential sustainable landscape incentive program.
	E.7.a (j)	PE-8*	Support for O'Neill Sea Odyssey Education Program	Annual support for 10 school classes or 300 students per year	Public Works	Engineering	2	x	X	x	x	x	Yes	The City provides funding for two O'Neill Sea Odyssey (OSO) Education Program programs: 1) <i>Storm Water Runs to It Program</i> -This program includes 5 school (fourth grade) classes with a total of 142 students educated this year. The program includes both a boat field trip on the OSO catamaran with on-board ocean & watershed education, and a classroom presentation at the OSO office; and 2) <i>Ocean Protectors Program</i> -This program includes 5 school (fourth grade) classes and 2 community center children's groups (grades 4-6) with a total of 163 students educated this year. The program has various components including a OSO boat field trip with on-board ocean & watershed education and a classroom presentation at the OSO offices. In addition, a subcontractor, Save Our Shores (SOS), conducted classroom presentations, including interactive marine debris activities, at the respective schools. SOS also led beach cleanups with each of the 7 classes as part of the program and, in total, the students removed at least 53 pounds of trash and recyclables during these cleanups.
	E.7.a (j)	Added BMP*	Conduct education in local schools (e.g. classroom visits, assemblies, field trips)		Public Works	Engineering	2	x	X	x	x	x	Yes	The City funds a variety of school education programs such as the O'Neill Sea Odyssey programs, Save the Whales marine species/ecological/water pollution prevention presentations, Save Our Shores marine debris presentations, and Musical Assemblies in local elementary schools. 1) The O'Neill Sea Odyssey (OSO) programs are focused on 4th grade classes and include both a boat field trip on the OSO catamaran with on-board ocean & watershed education, and a classroom presentation at the OSO office. These programs are described in more detail in above line item. 2) Save the Whales gave presentations to local elementary, middle, and high school classes on ecology, marine debris, and the effects of pollution. Presentations are offered on: Sea Otters; Marine Mammals; and Sea Turtles. During the permit year, a total of 26 elementary and 12 middle/high school class presentations were conducted with 520 and 231 students educated respectively. 3) Save Our Shore (OSO) conducted 10 school presentations at local middle and high schools on storm water pollution, pathways of pollution and marine debris, with a total of 250-300 students educated. 4) Musical Assemblies focusing on storm water ed & outreach messages are also offered to local elementary schools. This permit year, a musical ensemble named <i>ZunZun</i> conducted musical assemblies at two local schools with a total of approx. 1,450 students educated during the 5 musical assemblies (3 assemblies at one school and 2 at the other).

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	E.7.a.(ii) (k)	CF-1*	Revise the BMPs for Vehicle Service Facilities, Food Service Facilities, and Retail and Commercial Businesses As Needed	Revise all 3 brochures per sidewalk cleaning regulations and other additional topics if any	Public Works	Engineering, Environ Compliance	2	x	X	x	x	x	Yes	The BMP brochures are revised as needed and the revisions posted immediately on the City website. All three BMPS, Vehicle Service Facilities, Food Service Facilities, and Commercial Facilities, were revised in June 2010.
		PE-14, PC-13*	Develop and Implement an Education Program Addressing the Restoration and Protection of Riparian and Wetland Areas	1. Complete development of program plan 2. Implementation of educational measures, ie.e. hold workshops distribute brochures	Public Works	Engineeering	N/A						Yes	The City continues to fund or implement programs for residents and the public re the restoration and protection of riparian and wetland areas as follows: 1) The City joined & contributes funding to the San Lorenzo River Alliance (SLRA), which is a public-private partnership, led by the Coastal Watershed Council (CWC), dedicated to revitalizing the river and improving water quality among the various goals. Staff attends SLRA meetings on a regular basis. 2) The City contributes funding for CWC's Snapshot Day, which is an annual volunteer watershed monitoring day held each spring. CWC incorporates information on watershed stewardship, including how to maintain your home and yard in order to protect riparian and wetland areas, into their volunteer training sessions. (3) Staff continues to disseminate the Resource Conservation District "Slow it, Spread it, Sink it!" Guide for residents re home retrofits at the PW public counter, upon request, special events, and on the city website. 4) The City contributes oversight and funding for non-native invasive vegetation removal and planting with native plants as part of restoration efforts in Pilkington Creek. This helps support efforts by creekside resident volunteers including creek cleanups and other efforts in coordination with the SC Natural History Museum.
✓	E.7.a (k)	NEW BMP		Develop and convey messages specific to reducing discharges from organized car washes, mobile cleaning/pressure washing operations	Public Works	Engineeering	2		X	x	x	x	Yes	During the permit year, storm water messages regarding car wash fundraising events and mobile/pressure washing activities were tailored and letters were sent out to the City schools and local mobile/pressure washers. The letter to local schools re car wash events was sent on April 29, 2015. The letter to local mobile/pressure washers was sent on June 12, 2015. In addition the Environmental Compliance Program updated the message poster displayed at public outreach events including the Public Works Day; Earth Day and the Annual Pollution Prevention Dinner Event to offer equipment and guidance for prospective car washes within the City.
✓	E.7.a (l)	NEW BMP		Conduct stormwater-friendly education to organized car wash participants	Public Works	Engineeering	2		X	x	x	x	Yes	During the permit year, a letter was sent out to the City schools (elementary, middle, and high schools) to let them know that water from car wash fund raising events cannot be discharged to the street or storm drain system. The letter, dated April 29, 2015, also let the schools know that they could borrow the City's special car wash kits to protect storm drains.
✓	E.7.a (m)	NEW BMP		Develop and convey messages specific to mobile cleaning and pressure wash businesses	Public Works	Engineeering	2		X	x	x	x	Yes	During the permit year, a letter was sent out to local mobile/pressure washers on June 12, 2015. The letter was a reminder stating that wastewater from outside cleaning could not be discharged to the street, storm drain system, or City landscaping & tree wells.

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	<b>E.7.b.</b>	<b>Staff and Site Operator Training</b>					3							
	<b>E.7.b.1</b>	<b>Illicit Discharge Detection and Elimination Training</b>					3							
	E.7.b.1	MO-20	Develop A Storm Water BMP Training Piece	Training brochure, PowerPoint presentation, or other effective method	Public Works, Parks & Rec, Water, Planning	Engineering	3	x	x	X	x	x	Yes	Staff developed and finalized a storm water BMP training PowerPoint presentation, entitled "Best Management Practices to Prevent Storm Water Pollution," in May 2012 and circulated it to all field crew supervisors. The PowerPoint presentation is based on the City's BMPs for Municipal Operations. The presentation consisted of 30 slides with both text and photos. Since May 2012, the presentation continues to be used by many of the crew supervisors when conducting annual storm water training for their staff and small updates are made as needed. A copy of the presentation is available upon request.
	E.7.b.1	MO-21	Train and Educate Appropriate Field Crews	1. Train 100% of appropriate staff biennially-City TOTAL	Public Works, Parks & Rec, Water, Planning	Engineering, Refuse, Streets, Traffic/Parking, Parks & Rec-Downtown & Central Zone, Parks & Rec-East Zone, Parks & Rec-Neary Lagoon & West Zone, Parks & Rec-Wharf, Water Distribution, Water Production, Building	3		x		x		Yes Year 3	Multiple City field crews and other staff were trained on pollution prevention and good housekeeping measures through out the year by each division. Most divisions used the PowerPoint training presentation developed by SW staff based on the City BMPs for Municipal Operations. The training presentation currently includes information re illicit discharges however it will be re-evaluated and updated/expanded as needed in FY15-16. This permit year, permanent and temporary staff were trained as follows: Public Works: 76 staff; Parks & Rec: 56 staff; and Water Dept: 40 staff. Total field crew and other staff trained=172 staff. All Building Inspectors were trained in construction site pollution prevention BMPs in June 2014. Additionally this year, pre-training and post-training surveys were distributed to all field crews to evaluate the effectiveness of training. Surveys indicated that field crews generally already had good knowledge of pollution prevention and good housekeeping measures (avg. pre-training survey score = 72%) and that training made a difference (avg. post-training score = 76%).
				2. Train new staff within 6 months of the beginning of employment-all depts.	Public Works, Parks & Rec, Water, Planning		3	x	x	X	x	x	Yes	New PW Parking and Parks field crew staff are trained by each Supervisor upon hiring and at staff safety/tailgate meetings. All new Water Dept. staff trained by each Supervisor using BMPs, SOPs, & training videos.
✓	E.7.b.1 (d)	NEW BMP	Develop and conduct annual assessment of trained staff's knowledge of illicit discharge response and refresher training as needed		PW, P&R, Water, Planning		3			X	x	x	Year 3	Due Permit Year 3
✓	E.7.b.1 (f)	NEW BMP	Contact information, including procedures for reporting illicit discharges, shall be included in each of the Permittee's fleet vehicles that are used by field staff		PW, P&R, Water, Planning		3			X			Year 3	Due Permit Year 3
✓	E.7.b.1 (g)	NEW BMP	Focused education on identified illicit discharges and associated illicit discharge locations		PW, P&R, Water, Planning		3			X			Year 3	Due Permit Year 3

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<b>E.7.b.2 Construction Outreach and Education</b>														
✓	E.7.b.2.a	NEW BMP	Plan reviewers and permitting staff - QSD training (at least one person on staff providing supervision)	At least one designated person on staff with QSD credential	PW, Planning		2		X				Yes	The City hosted a QSD/P Training on March 16-18, 2015, which was attended by two PW Storm Water Program analysts, the PW inspector, the PW subdivision plan reviewer, the Green Building plan reviewer and a Parks Planner. The City's PW Storm Water Program analyst in charge of construction and post-construction plan reviews, erosion control and post-construction inspections, and coordination with Building Department is QSD certified.
	E.7.b.2.a (a)	CON-7	Provide Training to Planning/ Building Inspectors, Public Works Inspectors, and Planning and Public Works Plan Reviewers on Construction Site BMP Requirements	1.a.Train 100% of Planning/ Building Inspectors, Public Works Inspectors, and Planning and Public Works Plan Reviewers every two years	Public Works, Planning	Public Works	2		X		X		Yes	The City's PW Storm Water Program Analysts conducted training with all the building inspectors and the Green Building plan reviewer on June 2, 2015; two building inspectors could not attend and reviewed the training powerpoint presentation prior to June 30, 2015.
				2. Train new Inspectors and Plan Reviewers within 6 months of the beginning of employment-Planning	Planning, PW	Planning	2	X	X	X	X	X	Yes	During the permit year, a new Deputy Building Official was hired in July 2014. A training was conducted by the PW Storm Water Program Analyst with the new Deputy Building Official and Building Official on August 27, 2014. Additionally, there was one new permanent Planner hired in June 2015. She was trained by the PW Storm Water Program analyst on the construction and post-construction BMP requirements on August 27, 2015.
				3. Additional training on new or changed BMPs as needed	Planning/Public Works	Planning/Public Works	2	X	X	X	X	X	Yes	Two PW Storm Water Program analysts, the PW inspector, the PW subdivision plan reviewer and the Green Building plan reviewer attended a QSD/QSP training hosted by the City March 16-18, 2015.
✓	E.7.b.2.a (b)	NEW BMP	Erosion/sediment control/storm water inspectors - QSP or QSD training (at least one person on staff providing supervision)	At least one designated person on staff with QSP credential	PW, Planning	Building	2		X				Yes	The City's PW Storm Water Program analyst in charge of construction and post-construction plan reviews, erosion control and post-construction inspections, and training and coordination with Building Department is QSD certified. The City hosted a QSD/P Training on March 16-18, 2015, which was attended by two PW Storm Water Program analysts, the PW inspector, an Environmental Compliance inspector, the PW subdivision plan reviewer, the Green Building plan reviewer and a Parks Planner.
✓	E.7.b.2.a (c)	NEW BMP	Third-party plan reviewers must have QSD training		PW, Planning		2		X				Yes	N/A - The City conducts erosion control plan reviews

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✓	E.7.b.2.c	NEW BMP	Distribute appropriate outreach materials to all construction operators who will be disturbing land within the MS4 boundary. The Permittee's contact information and website shall be included in these materials		Planning	Building	3			X	X	X	Year 3	Due Permit Year 3
	E.7.b.2.b	CON-9	Distribute Construction BMP Handouts By Environmental Compliance Inspectors As Needed	Give BMP handouts to 100% of problems detected either while out in the field or during complaint response	Public Works	Environ Compliance	3	X	X	X	X	X	Yes	Twelve sites in the City were given the BMPs during the Permit Year.
	E.7.b.2.b	CON-10	Attach BMP Permit Conditions for Public Works Over-the-Counter Street Opening and Concrete Permits	100% Street Opening and Concrete Permits	Public Works	Engineering	3	X	X	X	X	X	Yes	All permits are issued w/storm water BMPs printed on back (this feature was programmed into the computerized permit issuance system).
	E.7.a (d,f) E.7.b.2.b E.8. (d)	PE-16	Maintain Environmental Programs and Environmental Compliance Web Pages, and post the City's Draft and Final Storm Water Management Program (SWMP) on the City's Website	1. Environmental Compliance Web Pages, 2. Environmental Programs Web pages 3. SWMP Posted on City Website	Public Works	Environ Compliance	3	X	X	X	X	X	Yes	Staff continually evaluates and updates the City website's Environmental Pages with current info as needed. During the permit year, updates were as follows: 1) Revised the Spill & Illegal Dumping Reporting phone number (added 911) and moved this item to top of page; 2) Posted revised Residential Pollution Prevention BMPs for Home Repair. The brochure was updated with revisions to text and addition of 911 for reporting spills and illegal dumping; 3) Posted the recently revised "Monterey Bay Begins on Your Street" Spanish brochure and the English version as well; 4) Made general improvements to web pages including new photos and updates to the rain barrel page. Special events, such as volunteer river cleanups and Earth Day, are also posted on the website's Calendar of Events. The City's SWMP, significant updates to the SWMP (such as the Joint Effort for Hydromodification), and the Guidance Document (per the current General Permit) are posted on the website immediately upon completion. Also, each year the City's Storm Water Annual Report is posted on the web site upon submission to the Water Board. Other SWMP revisions, such as updated BMPs, are posted when completed.



New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
<b>E.7.b.3 Pollution Prevention and Good Housekeeping Staff Training</b>														
	E.7.b.3 (a)	MO-21	Train and Educate Appropriate Field Crews	1. Train 100% of appropriate staff biennially-City TOTAL	Public Works, Parks & Rec, Water, Planning	Engineering, Refuse, Streets, Traffic/Parking, Parks & Rec-Downtown & Central Zone, Parks & Rec-East Zone, Parks & Rec-Nearby Lagoon & West Zone, Parks & Rec-Wharf, Water Distribution, Water Production, Building	2		X		X		Yes	Multiple City field crews and other staff were trained on pollution prevention and good housekeeping measures through out the year by each division. Most divisions used the PowerPoint training presentation developed by SW staff based on the City BMPs for Municipal Operations. This year, permanent and temporary staff were trained as follows: Public Works: 76 staff; Parks & Rec: 56 staff; and Water Dept: 40 staff. Total field crew and other staff trained=172 staff. All Building Inspectors were trained in construction site pollution prevention BMPs in June 2014. Additionally this year, pre-training and post-training surveys were distributed to all field crews to evaluate the effectiveness of training. Surveys indicated that field crews generally already had good knowledge of pollution prevention and good housekeeping measures (avg. pre-training survey score = 72%) and that training made a difference (avg. post-training score = 76%).
				2. Train new staff within 6 months of the beginning of employment-all depts.	Public Works, Parks & Rec, Water, Planning		2	X	X	X	X	Yes	New PW Parking and Parks field crew staff are trained by each Supervisor upon hiring and at staff safety/tailgate meetings. All new Water Dept. staff trained by each Supervisor using BMPs, SOPs, & training videos.	
✓	E.7.b.3 (d)	NEW BMP	Provide oversight of contractors hired by the permittee to ensure contractors are following BMPs, good housekeeping practices, and following SOPs.		PW, Water, P&R		2		X	X	X	Yes	Each department is responsible for ensuring that all hired contractors abide by City BMPs, good housekeeping practices, SOPs, etc. Staff are reminded of this requirement during the annual storm water trainings.	
<b>E.7 Existing BMPs Not Required By the Permit</b>														
	N/A	PP-2	Staff Will Contact the Downtown Association Annually; and Will Contact the Chamber of Commerce, Local Trade Organizations, and Business Groups on an "As Needed" Basis.	1. Annual contact with Downtown Association 2. Contact with the Chamber of Commerce, local trade organizations, and business groups as needed	Public Works	Engineering	N/A					Yes	Staff contacted local mobile washers (pressure washers and steam cleaners) by mail in June 2015 re proper sidewalk and plaza cleaning, and that wastewater may not be discharged to the storm drain system.	
	N/A	IF-4	Conduct Education and Outreach to Regulated Industrial Facilities	Annually distribute BMP brochure at 100% of initial or new sites, and as needed at current sites if the business has not retained a copy.	Public Works	Environ Compliance	N/A					Yes	The Environmental Compliance Inspectors give a BMP brochure to all new sites and to current sites during the annual inspections as needed. In 2010, the BMP brochure for Industrial Facilities was revised and posted on the City website. Industrial Facilities BMPs are distributed as required.	

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<b>E.8 PUBLIC INVOLVEMENT AND PARTICIPATION PROGRAM</b>														
✓	E.8. (a)	NEW BMP	Develop a public participation strategy that establishes who is responsible for specific tasks and goals		PW, Water, P&R		2		X				Yes	The City is maintaining its current strategy. Storm water staff is responsible for planning, coordinating, implementing and tracking storm water related public involvement and participation activities.
✓	E.8. (b)	NEW BMP	Consider development of a Citizen Advisory Group consisting of balanced representation of stakeholders		Public Works		2		X				Yes	The City already has an appointed citizen oversight committee for storm water program expenditures.
✓	E.8. (ii) (c )	NEW BMP	Create opportunities for citizens to participate in the implementation of BMPs through sponsoring activities -cleanups, storm drain stenciling, monitoring		Public Works	Engineering	2	X	X	X	X	X	Yes	The City currently contributes co-sponsors or contributes funding for multiple activities for citizens to participate in including volunteer cleanups and water quality monitoring events. As described in other sections of this report, these activities include: 1) Annual Coastal Cleanup Day: The event is run by Save Our Shores in Santa Cruz and includes many beach and river levee cleanup sites. 2) July 4 & 5th Outreach and Beach cleanups: This event is run by Save Our Shores and includes outreach & ed on July 4th and beach cleanups on July 5th at 4 local beaches. 3) Adopt-A-Levee Program: The program is a partnership between the City and Save Our Shores, and is funded by the City. SOS organizes 4-5 community groups to adopt and clean their section of the San Lorenzo River levee a minimum of 3x/year per group. 4) Community River Cleanups: The program is a partnership between the City and Save Our Shores, and is funded by the City. SOS organizes volunteers to clean a predetermined section of the San Lorenzo River levee typically one event per season. Advertising is done to recruit volunteers & educate the public. 5) Snapshot Day: This countywide program is organized by Coastal Watershed Council and the City contributes funding support towards efforts w/in the city. Multiple waterbodies are sampled by volunteers in this annual family friendly event which occurs each spring. Additionally, the City involved citizen monitoring groups in sampling for microbial source tracking in San Lorenzo River for 6 months in 2014.
	E.8. (c )	PP-3, PE-13 / ID-5*	Sponsorship of First Flush	Sponsorship of one volunteer monitoring effort in the City	Public Works	Engineering	2	X	X	X	X	X	Yes	This permit year, Coastal Watershed Council discontinued running First Flush in the City in order to focus their efforts on the San Lorenzo River Alliance (SLRA) which includes monthly volunteer monitoring at selected sample sites along the river. Thus, instead, the City provided funding support for the SLRA and joined as a partner organization. In addition, the City provided funding support for Snapshot Day, which is an annual volunteer monitoring event organized by the Coastal Watershed Council (CWC) and held each year in May. The City has contributed funding for this event annually since Spring 2009. This year, Snapshot Day was held on May 2, 2015. The event included 18 water bodies/sampling sites within the City and 25 volunteers participated at these sites. In total for SC County, 42 sites were monitored by 57 volunteers.
	E.8. (c )	PE-10*	Co-Sponsor Coastal Clean-Up Day	Sponsorship of the event in the City at level equivalent to \$1,000 or more	Public Works	Engineering	2	X	X	X	X	X	Yes	This permit year, the City provided funding support for Annual Coastal Cleanup Day, which was held on Sept. 20, 2014. The local event is organized and run by Save Our Shores. The event included 9 cleanup sites w/in the City including beaches, along the river levee, and at the Municipal Wharf (by SCUBA). Overall, in Santa Cruz & Monterey Counties, over 3,800 volunteers removed 24,379 pounds of trash from approx. 80 cleanup locations. SOS also conducted a media campaign in local newspapers and social media to increase awareness & recruit volunteers.

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	E.8. (c )	Added BMP*	Sponsor volunteer monitoring efforts (e.g. Snapshot Day)	Sponsorship of one volunteer monitoring effort in the City	Public Works	Engineering	2	x	X	x	x	x	Yes	1) The City provided funding support for Snapshot Day, which is an annual volunteer monitoring event organized by the Coastal Watershed Council (CWC) and held each year in Spring. The City has contributed funding for this event annually since Spring 2009. This year, Snapshot Day was held on May 2, 2015 and included 18 water bodies/sampling sites within the city. In the City, there were 25 volunteers; Countywide there were 42 monitoring sites and 57 volunteers. 2) As previously described, this permit year the First Flush monitoring event was discontinued in the City by CWC. However, the City joined and contributed funding to the San Lorenzo River Alliance efforts, organized by CWC, which includes monthly volunteer monitoring of the river.
	E.8. (c )	Added BMP*	Support for river, creek and/or beach volunteer cleanups (e.g. Adopt-A-Levee Program, community river cleanups, Save Our Shores July 4 & 5th Poll Prev. Outreach and Star Spangled Beach Cleanup)		Public Works	Engineering	2	x	X	x	x	x	Yes	This year, the City funded or contributed support for several river and beach volunteer cleanups as follows: 1) San Lorenzo River Adopt-A-Levee Program-this is a volunteer group river levee cleanup program which is funded by the City and implemented by Save Our Shores. Each adopting group commits to doing 3 or more cleanups per year. 2) San Lorenzo River Community Volunteer River cleanups-this is a citizen volunteer river levee cleanup program funded by the City and implemented by Save Our Shores. Typically there are four seasonal river cleanups per year. 3) July 4 & 5th Pollution Prevention Outreach and Star Spangled Beach Cleanup-this is a countywide program developed and run by Save Our Shores (SOS). Typically, this program is run at 4 beaches within the City. SOS tracks the number of trash bags distributed on July 4th, and the amount of trash and recycling collected on July 5th.
	E.8. (d)	PE-11	Ensure the public can easily find information about the Permittee's storm water program	Co-Sponsor & Participate in Public Event Annually (e.g. Earth Day Santa Cruz)	Public Works	Engineering	2	x	X	x	x	x	Yes	The City co-sponsored the annual Earth Day Santa Cruz event on April 18, 2015. Approximately 2,500-3,000 people attended the all day event. Multiple City staff tabled at the event and distributed storm water pollution prevention, Low Impact Development, waste reduction, and Green Business program information.
		PE-15		Continue Development of the SWMP List of Interested Parties and Use It for Notification of SWMP Developments and Public Meetings	Public Works	Engineering	2	x	X	x	x	x	Yes	SW staff created lists of interested parties' email addresses and contact info during SWMP approval process. Additional and new interested parties are added to list upon request.
		PE-16		Maintain Environmental Programs and Environmental Compliance Web Pages, and post the City's Draft and Final Storm Water Management Program (SWMP) on the City's Website	Public Works	Environ Compliance	2	x	X	x	x	x	Yes	Staff continually updates the City website Environmental, Storm Water and Env. Compliance web pages with current info, new photos, etc. as needed. The City SWMP and approved Guidance Document are posted on the website. Also, each year the City's Storm Water Annual Report is posted on the web site upon submission to the Water Board. Other items, such as updated BMPs, are posted when completed.
✓	E.8. (e )	NEW BMP	Actively engage in the IRWMP or other watershed-level planning effort		PW	Engineering	2		x	x	x	x	Yes	In FY2014-2015 and in past years, several City departments and staff participated in the Santa Cruz IRWM group including attending meetings and submitting projects for inclusion in the IRWM list of priority projects.
<b>E.8</b>	<b>Existing BMPs Not Required By the Permit</b>													
	N/A	PP-4	Involve City Staff in the Development and Implementation of the SWMP	4 meetings per year with the appropriate personnel	Public Works	Engineering	N/A						Yes	Staff held a minimum of 4 meetings regarding storm water program development. These meetings were held on: July 24, 2014, Jan 22, 2015, Feb 11, 2015, and Feb 17, 2015. During the meetings, topics discussed included: storm water outfall inventory project & follow up sampling; pilot CBSM program re plastic produce bags; drainage mapping, monitoring, and effectiveness assessment; outfall & IDDE monitoring, significant Industrial Users inventory, and TDML monitoring and data assessment.

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<b>E.9</b>													<b>ILLCIT DISCHARGE DETECTION AND ELIMINATION</b>	
<b>E.9.a</b>													<b>Outfall Mapping</b>	
✓	E.9.a	NEW BMP	Create and maintain an up-to-date and accurate outfall map		IT, PW	Engineering	2		X	X	X	X	Yes	During the dry season, City staff visited all the outfalls recorded in the City's storm drain system map that drain to a receiving water within the City's jurisdiction. For each outfall identified, staff recorded a GPS location, photo, diameter, material, condition, and whether it was flowing or submerged. This information was used to update the City's storm drain system map in the City's GIS system (accessible online at <a href="http://gisweb.cityofsantacruz.com/publicGIS/">http://gisweb.cityofsantacruz.com/publicGIS/</a> ). Where an outfall was inaccessible, the nearest catch basin was inspected for signs of dry-weather flows. A total of 235 locations were field-checked; 68 outfalls were inaccessible or could not be found (located in heavily overgrown areas). 26 outfalls were identified as flowing during the initial survey, most of which appeared to have perennial flow.
<b>E.9.b</b>													<b>Illicit Discharge Source/Facility Inventory</b>	
✓	E.9.b	NEW BMP	Maintain (update annually) an inventory of all industrial/commercial facilities/sources within the Permittee's jurisdiction that could discharge pollutants to the MS4. Use the inventory to ID facilities for inspection of potential illicit discharges		IT, PW	Environmental Compliance	2		X	X	X	X	Yes	The City maintains a database of all commercial and industrial facilities located within City limits, including vehicle service and food service operations. This permit year, the following facilities were added to the inventory: recycled material collection facilities (3), corporation yards (1), landscape nurseries (3), building material retailers and storage (7). The database includes the following information for each facility: name, address, business type, location of nearest gutter or storm drain inlet (if onsite), receiving water.
	E.9.b	IF-1	Conduct Site Visits at Significant Industrial Users (SIUs)	Conduct site visits at 100% of SIUs	Public Works	Environmental Compliance	2					X	Yes	Site visits were conducted at all SIUs. Site visits assessed compliance with BMPs and directives of the Storm Water Monitoring program and the Sewer Use Ordinance.

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	E.9.b	IF-2	<b>Identify and Verify That Regulated Facilities Have Filed a NOI, Notify RWQCB of Discrepancies</b>	1. Annual review of list of regulated industries that have filed a NOI with the RWQCB and comparison to the City's list of permitted industrial facilities	Public Works	Environmental Compliance	2	x	<b>X</b>	x	x	x	Yes	Staff reviewed the list sent by the RWQCB & compared to City IU list. The following actions were conducted to identify industrial facilities potentially subject to the new State IGP and with a potential to impact storm water: - Staff reviewed the list of facilities already covered under the State IGP; - Staff searched the City's business license database for facilities that might have a SIC code matching one of the codes in the industrial permit; - Staff conducted aerial photo review to narrow down the list of potential facilities; - Environmental Compliance inspectors visited all the facilities to identify which ones had outdoor operations that might be exposed to storm water and cause a potential for storm water impact. 55 businesses were visited, mostly all in the manufacturing sector. Results of the inspections indicated that nearly all the businesses had their operations conducted entirely indoors and did not have a potential to impact storm water. There were 3 businesses with outdoor activities. The City provided this information to the Regional Board and has followed up with the 3 facilities to have them move their operations indoors. If those businesses decide to maintain their outdoor activities, they will be referred to the RB for coverage under the new State IGP.
	E.9.b			2. Notify the RWQCB of 100% of discrepancies re industries that should have filed a NOI and did not	Public Works	Environmental Compliance	2	x	<b>X</b>	x	x	x	Yes	The following actions were conducted to identify industrial facilities potentially subject to the new State IGP and with a potential to impact storm water: - Staff reviewed the list of facilities already covered under the State IGP; - Staff searched the City's business license database for facilities that might have a SIC code matching one of the codes in the industrial permit; - Staff conducted aerial photo review to narrow down the list of potential facilities; - Environmental Compliance inspectors visited all the facilities to identify which ones had outdoor operations that might be exposed to storm water and cause a potential for storm water impact. 55 businesses were visited, mostly all in the manufacturing sector. Results of the inspections indicated that nearly all the businesses had their operations conducted entirely indoors and did not have a potential to impact storm water. There were 3 businesses with outdoor activities. The City provided this information to the Regional Board in an email dated June 29, 2015. Additionally, the City checked the RWQCB list in July 2015 and noted two new industrial facilities had received coverage under the IGP - these facilities were added to the City's database.

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	E.9.b (e)	ID-1	Environmental Compliance Inspectors Conduct Site Inspections at Regulated Businesses	Inspect 100% permitted industrial facilities	Public Works	Environ Compliance	2	x	X	x	x	x	Yes	All permitted IUs were inspected by an EC inspector. A violation notice was issued to a food processor for spillage of industrial wastewater to the storm drain. Our program has required the discharger to install new engineering controls and perform clean up operations. The incident is currently in enforcement.
	E.9.b	ID-1, CF-2	Conduct Site Inspections for Vehicle Service Facilities	Conduct inspections at 100% of Vehicle Service Facilities	Public Works	Environmental Compliance	2					x	Yes	VSFs are inspected annually or more (if needed) by EC inspectors and most facilities are maintaining compliance.
	E.9.b	ID-1, CF-4	Conduct Site Inspections for Food Service Facilities	Conduct inspections at 100% of Food Service Facilities	Public Works	Environmental Compliance	2					x	Yes	FSFs are inspected annually or more (if needed) by EC inspectors. Most facilities were found in compliance with the Storm Water and Sewer use ordinances. EC Division issued Warning Letters (<30) as needed to maintain compliance. (1) NOV was issued to a Food Service Facility for repeatedly pressure washing without containment.
	E.9.b	IF-3	Conduct Site Visits at Industrial Facilities That Have Filed a NOI	Conduct site visit at 100% of additional sites not already in the City's SIU program once every 5 years	Public Works	Environmental Compliance	2					x	Yes	There weren't any NOI IUs requiring permit evaluation in the City this year.
<b>E.9.c</b>	<b>Field Sampling to Detect Illicit Discharges</b>						2							
✓	E.9.c	NEW BMP	During outfall inventory, sample any outfalls that are flowing or ponding more than 72 hours after the last rain event; also conduct dry weather sampling of outfalls annually identified as priority areas		Public Works	Eng, Environmental Compliance, WW	2		x	x	x	x	Yes	Environmental Compliance inspectors were dispatched to collect samples at the 26 outfalls identified as flowing during the outfall field survey. 6 of the outfalls that were flowing during the initial field survey had too little or no flow to sample. These will continue to be monitored. The remaining locations were sampled and analyzed for ammonia, color, conductivity, detergents-surfactants, fluoride, hardness, pH, potassium, and turbidity. All the sampling results were well below action levels except one sample that had a potassium concentration of 43.08 mg/l (Action Level = 20 mg/l). A follow-up investigation was conducted that indicated a radial crack along the top of the storm drain pipe upstream of the outfall but no damage to nearby sewer mains. The storm drain has been put on the upgrade list for FY2015-16.

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<b>E.9.d</b>													<b>Illicit Discharge Detection and Elimination Source Investigations and Corrective Actions</b>	
✓	E.9.d.	NEW BMP	Develop written procedures for conducting investigations into the source of all non-storm water discharges suspected to be illicit discharges, and procedures to implement corrective actions		Public Works	Environmental Compliance	2		X				Yes	The Environmental Compliance Division developed written procedures for conducting investigations into the source of non-storm water discharges and incorporated them into their standard operating procedures. The standard procedure includes the definition of illicit discharge and a summary of the investigation actions to be taken by the Environmental Compliance Program in response to illicit discharge detection or notification.
	E.9.d	ID-7	Implement Corrective Measures and Enforcement Procedures in Accordance with the Storm Water Ordinance	Eliminate 100% of identified illicit discharges	Public Works	Environmental Compliance	1						Yes	Environmental Compliance staff received complaints re illegal discharges/dumping. All were investigated and responded to with appropriate enforcement action.
	E.9.d (d) (e)	ID-2	Conduct Spill and Illegal Discharge Response	Respond to 100% complaints and reports of illegal discharges	Public Works	Environmental Compliance, WW	2	X	X	X	X	X	Yes	All complaints and reports of illegal discharges are responded to by an EC Inspector asap. Approximately 50 complaints were received this year. The most common complaints are sanitary sewer overflow and the discharge of soapy water and pressure washing wastewater to the street or storm drain system. Sanitary sewer overflow calls from June 30, 2014 to June 30, 2015 equaled: 5 sewer main and 30 private lateral spills. 100% were responded to by Wastewater Mains Division and the spills were cleaned up/pumped out by City Vector Truck. For private lateral spills, Warning Letters are also issued to the property owner requiring maintenance and/or repairs performed by a licensed plumber.
	E.9.d (ii)	CF-6	Complaints or Staff Observations of Illegal Discharges by Mobile Washers	Follow-up on 100% of complaints or reports of illegal discharges	Public Works	Environmental Compliance	2	X	X	X	X	X	Yes	Each complaint or report of illegal discharge requires follow up from Wastewater Mains or Environmental Compliance personnel. Follow up from sewer overflow from private laterals requires proof of repair to avoid the issuance of fines and city cost-recovery. Less than approximately 8 situations involving sanitary sewer overflow within the City required our program to issue fines and or cost-recovery in the last 12 months. One incident required a repair to a sewer lateral servicing two adjacent apartment complexes and property owners were both issued fines and cost recovery. Follow-up inspections have shown subsequent compliance in all cases.

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<b>E.9.e</b>	<b>Spill Response Plan</b>						2							
✓	E.9.e	NEW BMP	Develop and implement a spill response plan		Public Works	Environ Compliance, Engineering	1	X					Yes	Completed in Year 1
<b>E.9</b>	<b>Existing BMPs Not Required By the Permit</b>													
	N/A	MO-17	Dry Weather Diversion from Neary Lagoon to Wastewater Treatment Facility	Divert lagoon water 108 days per year	Public Works	Wastewater Mains	Year 1-5	X	X	X	X	X	Yes	Lagoon water was diverted to the Wastewater Treatment Facility (WWTF) on the following dates: 6/30/14 to 12/14/14/ and from 2/1/15 to 6 /30/15. Thus, during the permit year, the water was diverted approx. 318 days. Lagoon water is diverted to the WWTF year round until rains force the gravity outlet opening.
	N/A	MO-18	Clean Neary Lagoon Storm Drain Lines and Discharge Bacteria Laden Water to the Sanitary Sewer System	Clean storm drain lines and discharge the water to the sewer system annually	Public Works	Wastewater Mains	Year 1-5	X	X	X	X	X	Yes	In preparation for the rainy season, WW Mains staff flushed the Neary storm drain lines to the sanitary sewer system on 9/12/14. The flushing process discharged approximately 504,000 gallons of water to the sanitary sewer.
	N/A	In SWMP text, Chpt 1- Municipal Operations	Neary Lagoon - Dry Weather Season: Lagoon Water Sampling	Please see Attachment 1	Public Works	Environ Comp, Wastewater Mains	Year 1-5	X	X	X	X	X	Yes	During the permit year, Env. Compliance/Lab staff collected the "Dry Weather" samples before and after the Neary Lagoon storm drain lines on Sept. 9, 2014 and Oct. 21, 2014 respectively. The storm drain line flushing was conducted on Sept. 12, 2014 and the Pump Station was cleaned Oct. 6-17, 2014. Please see the Neary Lagoon Summary Attachment for more information.
	N/A	In SWMP text, Chpt 1- Municipal Operations	Neary Lagoon - Wet Weather Season: Receiving Water Monitoring	Please see Attachment 1	Public Works	Environ Comp, Wastewater Mains	Year 1-5	X	X	X	X	X	Yes	During the permit year, Env. Compliance/Lab staff collected receiving water samples both "before" and "after" the first pumping discharge of the wet season on December 11, 2014. These samples were collected on December 9 and December 12, 2014 respectively. Staff sampled upon receiving initial warning of pending large storm due to unknown timing of pumping and for safety reasons. Please see the Neary Lagoon Summary Attachment for more information including the sampling results.



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E.10 CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM														
E.10.a Construction Site Inventory														
✓	E.10.a	NEW BMP	Maintain an inventory of all projects subject to the local construction site SW runoff control ordinance, incl. location of project with respect to waterbodies, threat to WQ, construction phase, required inspection frequency, date of erosion control plan approval		PW, Planning	Eng, Building	1	X	X	X	X	X	Yes	The City of Santa Cruz inventories all new discretionary approval applications and ministerial permits via its TRAKiT online database. TRAKiT keeps record of the permit type, location, application status, inspections, and LID requirements. All new permit applications that trigger a grading or building permit are subject to stormwater runoff control requirements. TRAKiT is queried to develop a report of all new permit applications subject to stormwater runoff control and the results are categorized by project type (commercial or residential), status (applied, approved, permit issued, finalized), and whether LID is required. The results are mapped using GIS to identify projects located within TMDL watersheds. Commercial/multifamily projects that create or replace over 5,000 sf of impervious surface are considered higher potential threat and are further tracked in an excel spreadsheet maintained by the Public Works Department - those projects are inspected by both the Building Dept and Public Works to ensure compliance with stormwater BMPs. The Public Works tracking spreadsheet includes additional information, including: project area, SWPPP threat level as applicable, if it is adjacent to a creek, if it is in a TMDL watershed, project description and status, and PW inspections.
E.10.b Construction Plan Review and Approval Procedures														
✓	E.10.b	NEW BMP	Develop/revise procedures to review and approve relevant construction plan documents	Require operator of construction activity to prepare and submit erosion and sediment control plan for review.	PW, Planning	Engineering, Building	1	X	X	X	X	X	Yes	In the City, all projects that increase the square footage or volume of a building (including single-family dwellings) are required to meet CalGreen requirements, including providing an erosion and sediment control plan for review. Projects that do not include a building but disturb over 50 cy of soil are required to obtain a grading permit. The City revised Chapter 18.45, Excavation and Grading Regulations, of the Municipal Code to require that all projects subject to the grading permit provide a site plan showing the general vicinity of the proposed project, dimensions of grading cut and fill, the location of surrounding buildings or structures, and the <i>location of construction Best Management Practices (BMP's) as required by the City's mandatory Storm Water BMP manual, as published by the City Public Works Department</i> . The ordinance revision was approved by City Council on July 22, 2014 and published August 22, 2014. Additionally, Public Works revised its mandatory BMPS for Construction Projects to incorporate minimum requirements for the preparation of Erosion Control Plans. The revised mandatory construction BMPs were published on June 30, 2014. All construction projects that trigger a grading or building permit are required to abide by the mandatory construction BMPs.

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				Require rationale for BMPs used	PW, Planning	Engineering, Building	1	X	X	X	X	X	Yes	All proposed projects that trigger a grading or building permit must abide by the mandatory construction BMPs published by Public Works. The BMPs require that grading or construction activities be implemented in accordance with an approved erosion control plan. Erosion control plans shall include at a minimum: site topography, nearby watercourses, proposed grading contours, location of utilities, location of proposed erosion control measures, location of proposed sediment control measures, location of construction waste control measures, stockpile and equipment staging areas, total area of disturbance, and list of other required permits associated with grading. The BMPs also list minimum requirements for erosion and sediment control. This guidance ensures that appropriate BMPs are used to control erosion and sediment. Additionally, for projects disturbing over 5,000 cy of soil, the City requires the submittal of an engineering soils report and engineering geology report. The soils engineering report shall include data regarding the nature, distribution and strength of existing soils, conclusions and recommendations for grading procedures, and design criteria for corrective measures, when necessary, and an opinion on the adequacy for the intended use of sites to be developed by the proposed grading as affected by soils engineering factors, including the stability of slopes. Recommendations included in the soils engineering report and/or the engineering geology report shall be incorporated in the grading plans or specifications.
				Require that erosion/sed control plan list applicable permits associated w/ grading activity (CGP, 401, 404, 1600 agreement)	PW, Planning	Engineering, Building	1	X	X	X	X	X	Yes	All proposed projects that trigger a grading or building permit must abide by the mandatory construction BMPs published by Public Works and updated in June 2014. The BMPs include guidance on information that shall be included in erosion control plans. At a minimum, erosion control plans must include: site topography, nearby watercourses, proposed grading contours, location of utilities, location of proposed erosion control measures, location of proposed sediment control measures, location of construction waste control measures, stockpile and equipment staging areas, total area of disturbance, and a list of other required permits associated with grading such as State Construction General Permit, U.S. Army Corps of Engineers 404 permit, State Water Board 401 Water Quality Certification, California Department of Fish and Wildlife 1600 Agreement, as applicable.
				Document review using a checklist	PW, Planning	Engineering, Building	1	X	X	X	X	X	Yes	The Public Works Department uses a checklist based on the revised construction BMPs for review of erosion control plans for projects that create or replace over 5,000 sf of impervious surface area. The Green Building Program in the Building Department has its own Green Building Checklist it uses to document review of project plans.
				SWPPP may substitute for erosion control plan where a SWPPP is developed	PW, Planning	Engineering, Building	1	X	X	X	X	X	Yes	Typically, projects that are required to create a SWPPP first submit an erosion control plan for plan review purposes and then develop the SWPPP once most plan approvals are received. Once the project is approved, Public Works coordinates with the QSP to conduct a pre-construction meeting to go over the SWPPP, erosion control measures, and inspections.
<b>E.10.c</b>	<b>Construction Site Inspection and Enforcement</b>													
✓	E.10.c	NEW BMP	Use legal authority to implement procedures for inspecting public and private construction projects and conduct enforcement if necessary		Planning	Building	2		X	X	X	X	Yes	The Building Department conducts BMP inspections at residential and commercial sites per CalGreen requirements. Inspections are conducted at active construction sites prior to forecasted major rain events and at 50% or more sites after rain events. Additionally, the Public Works Department provides additional oversight for medium-sized commercial projects and large projects. The Public Works Environmental Projects Analyst conducts a pre-construction meeting with the contractor on erosion control BMPs, as well as periodic inspections before, after, and/or during rain events to identify problem sites and BMP deficiencies. Additional inspections are conducted at sites with erosion control issues. The Public Works Environmental Projects Analyst also conducts a final inspection at the completion of construction projects to ensure that all disturbed areas have been stabilized.

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								2014	2015	2016	2017	2018			
	E.10.c.	CON-1	<b>Planning/Building Inspectors Will Inspect All Construction Sites Requiring a Grading Permit. Inspections Will Also Be Conducted Prior to Well-Forecasted Rain Events at High Priority Construction Projects. Inspectors Will Also Inspect 50% or More of the Open Sites After Major Rain Events or Storms.</b>	1. During the grading process, 100% of small sites will be inspected 2 times and 100% of large sites will be inspected 3 times (Small sites are defined as generally less than 1/2 acre. Large sites are greater than 1/2 acre.)	Planning	Building	1	X						Yes	In total, there were 43 sites including 30 small residential sites, 7 medium-sized commercial sites (>5,000 SF new/replaced impervious), & 6 large sites (> 1 acre) that triggered grading/erosion control requirements and were inspected. Sites are inspected multiple times particularly if they are medium to large sites, or adjacent to sensitive waterbodies. For example, a large site may be inspected 5-10 times (or even more if necessary) during the reporting period. The projects > 1 acre are: 1) Delaware Avenue is a multi-unit commercial development being developed in phases. This project was halted in 2011, construction restarted in 2013 and was completed in December 2014; 2) River Street is a new operations facility, parking structure and related site improvements for the Santa Cruz Metro; 3) Broadway/Brommer multi-use path is a City Public Works trail project that was initiated in December 2013 and completed in January 2015; 4) Jewell Street is a commercial development that was initiated in January 2015; 5) Mission Street is a new hotel development that was initiated in July 2014; 6) River St #2 is a commercial space remodeling project including parking lot retrofits that was initiated in July 2014.
				2. Inspect 100% of high priority sites prior to forecasted rain events	Planning	Building	1	X						Yes	All sites were inspected multiple times by Building inspectors during the rainy season including prior to forecasted rain events. Medium-sized commercial sites and large sites received additional inspections by the Public Works Environmental Projects Analyst prior to, during and/or after 1 or more storms to identify problem sites and ensure BMPs were functioning properly. Also, the 43 sites that had active construction were notified by letter in October 2014. Letters were re: site preparedness and Winter Grading Rules prior to the onset of the rainy season and included the City's mandatory Construction BMPs. Letters are sent by the Building Division to both the property owner and general contractor.
				3. After major rain events, 50% or more of "open" sites will be inspected	Planning	Building	1	X						Yes	All open sites were inspected by Building inspectors after major rain events. Additionally, the Public Works Environmental Projects Analyst conducted inspections during and/or after major rain events at large sites and/or sites with BMP implementation failures.
<b>E.10</b>	<b>Existing BMPs Not Required By the Permit</b>														
	E.10.c.	CON-6	<b>Report Violations of the Construction General Permit to the RWQCB</b>	Report violations identified by the City during building and public works inspections	Planning	Building	Year 1-5	X	X	X	X	X		Yes	Staff did not encounter violations of State Construction Permit.
					Public Works	Engineering	Year 1-5	X	X	X	X	X		Yes	Wet weather site inspections by Public Works staff revealed 3 sites that had BMP failures which caused the release of sediment to the gutter and storm drain. These 3 sites were issued Warning Letters and ordered to improve their BMP implementation. All 3 sites fixed their BMP issues. Two of the sites where Public Works identified BMP failures during wet weather inspections were covered under a Construction General Permit. Notification for each of the 2 sites was sent via email to the Regional Board with details on the BMP failures and follow-up actions by the City and contractor.

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								2014	2015	2016	2017	2018		
<b>E.11 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM</b>														
<b>E.11.a Inventory of Permittee-Owned &amp; Operated Facilities</b>														
✓	E.11.a	NEW BMP	Develop and maintain an inventory of City-owned or operated facilities that are a threat to WQ		PW, Parks & Rec, Facilities, Econ Devt, Water, IT		2		X				Yes	Based on existing BMPs implemented and City properties' potential to have a release to the storm drain or a creek, the City developed an inventory and map of City-owned facilities that have a potential to impact storm water. Nine City properties that didn't already have a separate NPDES permit were identified: the Municipal Corporation Yard, the Municipal Wharf, Harvey West Park including the Parks maintenance yard, Pogonip Open Space, DeLaveaga Park and Golf Course, Arana Gulch Open Space, the Santa Cruz Water Department's Water Treatment Facility, San Lorenzo Pump Station, and Bay Street Reservoir.
<b>E.11.b Map of Permittee-Owned or Operated Facilities</b>														
✓	E.11.b	NEW BMP	Submit a map of the area within the permit boundary and identify where City-owned/operated facilities are located		PW, IT		2		X				Yes	A map of the City with the location of City properties with a potential to impact storm water is attached to the annual report submittal in SMARTS.
<b>E.11.c Facility Assessment</b>														
✓	E.11.c	NEW BMP	For all inventoried facilities, conduct comprehensive inspection / assessment of pollutant discharge potential and identification of pollutant hotspots		Public Works	Eng, Environmental Compliance	3			X			Year 3	Due Permit Year 3
<b>E.11.d Stormwater Pollution Prevention Plans</b>														
✓	E.11.d	NEW BMP	Develop and implement SWPPPs for pollutant hotspots (OK if already have Spill Prevention Plan)		PW, Parks & Rec, Facilities, Water		4				X		Year 4	Due Permit Year 4

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
<b>E.11.e Inspections, Visual Monitoring and Remedial Action</b>														
✓	E.11.e	NEW BMP	Conduct regular inspections of City-owned/operated facilities: quarterly visual hotspot inspections, annual comprehensive hotspot inspection, quarterly visual observation of hotspot SW discharges, non-hotspot inspection once per permit term		PW, Parks & Rec, Facilities, Water		5					X	Year 5	Due Permit Year 5
<b>E.11.f Storm Drain System Assessment and Prioritization</b>														
✓	E.11.f	NEW BMP	Develop procedures to prioritize storm drain system maintenance		Public Works	Eng, Wastewater Mains	2		X				Yes	Staff prioritizes efforts to maintain and clean storm drains/catch basins in areas with direct impact to the ocean or the San Lorenzo River. Staff also reviews the areas during the previous year which needed attention and adds these areas to the priority list.
	E.11.f	MO-4	Inspection, Cleaning, and Repair of City Catch Basins and Inlets	3. After large storm events during the wet season, inspect 90% of catch basins in the Downtown, Beach Flats, and lower Ocean Street areas and re-clean them as needed.	Public Works	Wastewater Mains	1, 2	X	X				Yes	90% of the catch basins in Downtown, Beach Flats, and lower Ocean Street were inspected after large storm events & re-cleaned if needed. Catch basins in these areas are inspected and cleaned as necessary during rain events. Priority and response is placed on any report from the public for non-functioning or plugged drains.
	E.11.f	MO-4		4. Inspect 50% of the catch basins in the outlying areas of the City annually and clean as needed.	Public Works	Wastewater Mains	1, 2	X	X				Partial	This year, staff prioritized efforts to clean storm drains/catch basins in areas with direct impact to the ocean or the San Lorenzo River and thus did limited inspections in outlying zones unless needed due to a complaint, flooding, etc. Approximately 25% of the catch basins in the 7 outlying zones (Eastside, Upper SLR east, Upper SLR west, Arana Gulch, Neary Lagoon, West Cliff, and Westside) were inspected and cleaned if needed. Three other zones, Downtown, Main Beach/Beach Flats, and lower Ocean Street, are "high priority areas" and not considered "outlying zones," and are detailed in MG #1. There are over 1,400 catch basins in the City.
	E.11.f	MO-5	Inspection of Branciforte Storm Water Conveyance Channel and Trash Removal As Needed	1. Annual inspection	Public Works	Wastewater Mains	1, 2	X	X				Yes	Branciforte Channel is inspected weekly throughout the year. This includes all drainage ditches and adjacent toe ditches that feed the channel. Extensive effort is placed on weed abatement and trash removal of surrounding toe ditches. Extensive weed abatement and toe ditch cleaning was conducted in May 2015.

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								2014	2015	2016	2017	2018			
E.11.g													Maintenance of Storm Drain System		
✓	E.11.g	NEW BMP	Begin maintenance of all high priority storm drains on an on-going schedule according to procedures & priorities developed per E.11.f		Public Works	Wastewater Mains	3				X	X	X	Year 3	Due Permit Year 3
	E.11.g	MO-4	Inspection, Cleaning, and Repair of City Catch Basins and Inlets	1. Clean 90% of catch basins and inlets located in the Downtown, Beach Flats, and lower Ocean Street areas annually in the Fall	Public Works	Wastewater Mains	1, 2	X	X					Yes	90% of catch basins and inlets were cleaned in downtown, B. Flats, and lower Ocean areas in Fall 2014. Almost all drainage from these areas goes to the San Lorenzo River pump stations. A total of 12 cubic yards of debris was collected from both catch basins and storm drain lines. Wastewater Mains Division staff made extensive efforts to accomplish this.
	E.11.g	MO-4		2. Clean and repair 100% of storm drains or catch basins identified as clogged or non-functional annually in the fall or as soon as possible	Public Works	Wastewater Mains	1, 2	X	X					Yes	100% of clogged or non-functional storm drains and catch basins were cleaned and repaired citywide. Priority and response is placed on any report from the public for non functioning or plugged drains.
	E.11.g	MO-5	Inspection of Branciforte Storm Water Conveyance Channel and Trash Removal As Needed	2. Removal of 100% of large trash and debris items	Public Works	Wastewater Mains	1, 2	X	X					Yes	Branciforte Channel is inspected weekly. Any large debris is removed promptly. Only minor trash and debris was reported by staff. Increased patrol by PD and Parks Rangers has helped in this effort. The two large trash receptacles that were install last year along the channel have helped to minimize trash entering the channel.
	E.11.g	PE-1	Replace Worn Stencils or Apply New Stencils to Storm Drain Inlets		Public Works	Engineering, Streets	N/A	X	X	X	X	X		Yes	The City funded Save Our Shores (SOS) to assess storm drain catch basins and apply new "No Dumping" markers to unmarked catch basins or those with worn stencils. In total, SOS applied markers to 74 catch basins and assessed over 100 catch basins.
	E.11.g	MO-6	Clean Pump Stations Along the San Lorenzo River	Clean twice per year (Spring and Fall) Additional cleanings, if needed, during wet season after large storm events	Public Works	Wastewater Mains	1, 2	X	X					Yes	Fall cleaning was completed by 11/15/14. Spring cleaning was completed on 5/29/15. Pump Station 1B (Beach Flats) was cleaned two times during the wet weather season. Each station is inspected daily during wet weather and any floating trash is removed. Of the two seasonal cleaning events, spring cleaning of the pump stations is the most important due to debris from winter runoff/storms.

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								2014	2015	2016	2017	2018		
	E.11.g	MO-7	CDS Unit Maintenance	1. Clean twice per year in Fall and Spring	Public Works	Wastewater Mains	1, 2	X	X				Yes	The Capitola Road CDS unit's Fall 2014 and Spring 2015 cleaning were performed on: 8/11/14, 11/12/14, 2/3/15, and 5/15/15. Cleaning of the Capitola Road Extension CDS unit requires extensive traffic control. Also, during spring, it has constant water flow in it since a creek runs thru it. The Laurel Ext. CDS unit is a very small unit that is cleaned during spring and fall months. Additional cleanings occur during wet weather as needed.
	E.11.g	MO-7		2. Inspect and clean, if necessary, monthly during rainy season	Public Works	Wastewater Mains	1, 2	X	X				Yes	The Capitola Road CDS unit was inspected and cleaned on 8/11/14, 11/12/14 and 2/3/15. Staff finds that additional cleanings other than spring and fall of this CDS unit are not needed. Staff continues to focus time/hours on higher priority BMPs which have a greater impact on water quality such as SLR pump stations cleaning and efforts in the higher density areas of the city. All CDS units are in the CMMS maintenance system database for 90 day inspection and cleaning if necessary.
<b>E.11.h Permittee Operations and Maintenance Activities</b>														
✓	E.11.h	NEW BMP	Develop a program to assess O&M activities and develop applicable BMPs, including: road/parking lot maintenance, bridge maintenance, ROW maintenance, water system flushing and repairs, etc.		PW-Traffic, PW-Eng, Water, Parks,		3			X			Year 3	Due Permit Year 3
✓	E.11.h	NEW BMP	Evaluate municipal operations BMPs quarterly		PW-Traffic, PW-Eng, Water, Parks,		3			X	X	X	Year 3	Due Permit Year 3
	E.11.h	MO-19	Revise Municipal Operations BMPs If Necessary and Republish Brochure	Distribute revised BMPs to applicable City Department Supervisors	Public Works	Engineering	1, 2	X	X				Yes	Public Works staff had multiple discussions and reviewed the Municipal BMPs with the Water Dept in Spring 2014. No revisions were made during the permit year.
✓	E.11.i	NEW BMP	Develop and implement WQ and habitat enhancement features in the design of all new and rehabilitated flood mgmt projects		Public Works	Engineering	3			X			Year 3	Due Permit Year 3
✓	E.11.j	NEW BMP	Implement a landscape design and maintenance program to reduce amount of water, pesticides, herbicides, and fertilizers used during permittee operations		Parks & Rec, Water		2		X				Yes	The City of Santa Cruz has had an integrated pest management (IPM) policy since 1998 governing the use of pesticides and herbicides at parks, the municipal golf course, and other landscaped areas. The IPM policy requires City departments to consider non-pesticide alternatives first when purchasing products to control pests and plant diseases. Eliminating pesticide use near watercourses and riparian areas is a priority. The policy's goal is also to eliminate the use of Toxicity Category I and II pesticides. Fertilizers are applied only as needed and the minimum amount necessary for the job is used. As part of the IPM policy, City departments that conduct pest management are required to conduct staff training, maintain an IPM Implementation Plan and ensure that contractors abide by the policy. The municipal golf course uses an evaporation-based irrigation scheduler with rain and moisture sensors. Additionally, the Water Department conducted a water evaporation evaluation for all City parks, which has been used to establish water allocations for all parks as part of the City's drought response.

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								2014	2015	2016	2017	2018		
<b>E.11 Existing BMPs Not Required By the Permit</b>														
	E.11	MO-15	Conduct Cleaning at Main and Cowell Beaches	1. Daily maintenance cleaning	Parks & Rec	Wharf, Parks	Year 1-5	X	X	X	X	X	Yes	Cleaning tasks: 1) Hand pick loose trash. 2) Mechanically sift sand for fine debris. 3) Empty and sort trash, recycle and cigarette butt containers. 4) Storm debris collecting, sorting, hauling and disposal/recycle. 5) Kelp management. 6) Maintain, sanitize and stock Beach and Cowell restrooms. 7) Maintain and repair beach vehicle and pedestrian access ramps. 8) Sweep Cowell parking lot & beach area walkways. 9) Schedule, supervise and provide equipment for organized volunteer beach cleanups by NGOs.
		MO-15		2. Spring cleaning as needed to remove trash following winter storms	Parks & Rec	Wharf, Parks	Year 1-5	X	X	X	X	X	Yes	Due to another light winter, the annual cleanup was not done during a specific week but over the course of the spring months as was the case the last two years. The City continues to follow up on the Source Investigation Study (SIP) at Cowell Beach and, as agreed in the Beach Management Plan (CDP # 3-11-027), the City only removed kelp from the beach above the high tide mark between Memorial Day and Labor Day weekends. This year (7/14 - 7/15), approx. 96 tons of kelp, 1518 loose yards of trash, and 50.25 loose yards of recyclables were removed from the beach.
	E.11	MO-2	Take Measures to Control Litter	Maintain litter and recycling receptacles in the downtown on a daily basis	Public Works	Parking Maintenance, Refuse	Year 1-5	X	X	X	X	X	Yes	There are 23 containers on Pacific Ave (downtown). These are collected 1x/day on Mon-Sat in the mornings by Sanitation/Refuse Collection, and 1x/day on Mon-Sat in the evenings and 1x/day on Sundays by Parking Maintenance. Sanitation collected approx. 36 tons for the year (each container weights @ 10 lbs). Also, there are 11 solar compactors that are collected 3x/week for approx. 34 tons collected during the year. Parking Maint. also collects other downtown refuse containers for a total of approx. 70 receptacles (4 were added this year) emptied on a daily basis. Parking Maint. collected approx. 82 tons of material collected this year.
				Maintain litter and recycling receptacles in the Wharf, Cowell Beach, and part of Main Beach (from Wharf to near Coconut Grove (Westlake ramp)) a minimum average of 5 days/week	Parks & Rec	Wharf, Parks	Year 1-5	X	X	X	X	X	Yes	Wharf staff maintained a total of 96 32-gallon trash containers, which averaged 4.5 cu ft per day, and a total of 35 recycling containers, which averaged 1.5 cu ft per day. Maintenance of the Wharf Public Area containers totalled nearly 4,000 loose yards of trash and 1,000 yards of loose recycling.
				Maintain litter and recycling receptacles in 35 City parks a minimum average of 5 days/week	Parks & Rec	Wharf, Parks	Year 1-5	X	X	X	X	X	Yes	The trash receptacles in the 35 City Parks are maintained/emptied daily.



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								2014	2015	2016	2017	2018		
	E.11, E.15	MO-1	Sweep City Streets By Mechanical Sweepers	Sweep primary streets in downtown & main beach areas once to twice per week	Public Works	Streets	Year 1-5	x	x	x	x	x	Yes	All sweeping requirements (#1-4) to meet our minimum goals equal 773 curbs miles per month. July 2014 through June 2015, there was a total of 15,390 curbs miles swept (or an average of 1,283 curbs miles swept per month). Total tonnage collected was 921 tons or an average of 77 tons per month. There are 40 curbs miles of commercial streets including downtown, Soquel Ave, Mission & Beach area. This commercial area is our first priority and the minimum goal is to sweep twice each week or 320 miles per month. This year we exceeded our goal.
				Sweep primary streets in other commercial areas twice per month	Public Works	Refuse	Year 1-5	x	x	x	x	x	Yes	All sweeping requirements (#1-4) to meet our minimum goals equal 773 curbs miles per month. July 2014 through June 2015, there was a total of 15,390 curbs miles swept (or an average of 1,283 curbs miles swept per month). Total tonnage collected was 921 tons or an average of 77 tons per month. There are 68 curbs miles of secondary streets, primarily with bike lanes in other commercial areas and including West Cliff Drive and Beach Street. This area is second in our list of priority and the goal is to sweep once per week or 295 miles per month. We exceeded our goal this year.
				Sweep 75% of residential streets once per month	Public Works	Refuse	Year 1-5	x	x	x	x	x	Yes	All sweeping requirements (#1-4) to meet our minimum goals equal 773 curbs miles per month. July 2014 through June 2015, there was a total of 15,390 curbs miles swept (or an average of 1,283 curbs miles swept per month). Total tonnage collected was 921 tons or an average of 77 tons per month. This area is third on our priority. There are 212 curbs miles of residential streets, and 75% of that is 159 curbs miles. We exceeded our goal in this area over this last year.
	E.11, E.15	MO-3	Sweep Public Parking Lots and Parking Garages Regularly	Clean lots w/a mechanical sweeper 2 or more times per week depending upon which location	Public Works	Traffic/Parking Prog	Year 1-5	x	x	x	x	x	Yes	25 lots are cleaned 2x or 6x per week w/a mechanical sweeper. This includes 4 garages with 14 levels total. This year, over 450 yards of debris were collected.
	E.11	MO-5	Inspection of Branciforte Storm Water Conveyance Channel and Trash Removal As Needed	1. Annual inspection	Public Works	Wastewater Mains	N/A	x	x				Yes	Branciforte channel is inspected weekly throughout the year. This includes all drainage ditches and adjacent toe ditches that feed the channel. Extensive effort is placed on weed abatement and trash removal of surrounding toe ditches. Extensive weed abatement and toe ditch cleaning was conducted in May 2015.
		MO-5		2. Removal of 100% of large trash and debris items	Public Works	Wastewater Mains	N/A	x	x				Yes	Branciforte Channel is inspected weekly. Any large debris is removed promptly. Only minor trash and debris was reported by staff. Increased patrol by PD and Parks Rangers has helped in this effort. Crews installed two large trash receptacles last year along the channel which has helped to also minimize trash entering the channel.

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<b>E.12 POST CONSTRUCTION STORMWATER MANAGEMENT PROGRAM</b>														
<b>E.12.a Post-Construction Measures</b>														
✓	E.12.a	NEW BMP	Regulate development to comply with the following sections, E.12.b through E.12.l				2	X	X	X	X	X	Yes	The RWQCB adopted Post-Construction Requirements (PCRs) for Development Projects in the Central Coast Region on July 12, 2013 (Resolution No. 2013-0032). The adopted Resolution directed municipalities in the Central Coast Region to update their development review standards and protocols to be able to implement the PCRs on all applicable projects by March 6, 2014. The City has been enforcing the PCR requirements on all new project applications since March 6, 2014.
✓	E.12.d	NEW BMP	Source Control Measures - Regulated Projects shall implement source control measures	E.12.d Source Control Measures included in mandatory development BMPs			2	X	X	X	X	X	Yes	The City's pre-existing Storm Water Management Program included mandatory source control BMPs for the following facilities and their associated activities: food service facilities, industrial facilities, retail and commercial businesses, vehicle service facilities, construction work, development and remodeling projects, and BMPs for residential properties including garden, pool & spa maintenance, home maintenance, painting and repair, and vehicle repair and washing. In February 2014, the City revised its mandatory BMPs for Development and Redevelopment Projects and incorporated minor edits to source control measures, including new requirements for pools, spas, and other water features (based on the CASQA Stormwater Quality Handbook), and guidance on design of interior floor drains.
<b>E.12.j Planning and Development Review Process</b>														
	E.12.j	PC-10	Develop and/or Modify Enforceable Mechanisms That Will Effectively Implement Hydromodification Controls and LID. Enforceable Mechanisms May Include Municipal Codes, Regulations, Standards, and Specifications.	1. An analysis of all applicable codes, regulations, standards, and/or specifications that identifies modifications and/or additions necessary to effectively implement hydromodification controls and LID	Public Works, Planning	Engineering	1	X					Yes	The City conducted a thorough GAP Analysis review of all City codes and submitted the Gap Analysis Report to the RWQCB on April 27, 2011. The results of the City's Gap Analysis were incorporated into the City's Watershed Protection Assessment submitted to the RWQCB in June 2013, which covered the General Plan 2030, the City-wide Creeks and Wetlands Management Plan, the Municipal Code, and the Post-Construction Requirements. The assessment found that the new General Plan 2030 for the City, which was adopted in 2012, incorporates many elements that support LID. Minor gaps to LID implementation were identified in the Municipal Code associated with street and parking lot standards. Three of these gaps were regarding existing street/curb design standards that could prevent the use of bio-systems adjacent to the street. One gap concerned the required parking ratios for office buildings. The last identified gap concerned how surface runoff is to be directed.
				2. Approved new and/or modified enforceable mechanisms that effectively resolve regulatory conflicts and implement hydromodification controls and LID in new and redevelopment projects	Public Works, Planning	Engineering	1	X					Yes	There are no significant gaps. Staff is working on minor revisions to the parking ordinance to help facilitate LID implementation. This should be completed in early 2016. Additionally, the assessment found that the City's mandatory "Storm Water BMPs for Development and Remodel Projects," which are codified by the Municipal Code/Storm Water Ordinance, are currently the best method to implement the new requirements. All development projects are routed through one Public Works development project plan reviewer that ensures that proposed projects meet the revised mandatory BMPs.
				3. Apply new and/or modified enforceable mechanisms to all applicable new and redevelopment projects.	Public Works, Planning	Engineering	1	X					Yes	The City began enforcing the new Post-Construction Requirements on March 6, 2014. Since March 2014, there have been 8 residential projects subject to Tier 1 of the PCRs and 1 project subject to Tier 2 that received their building permit during the fiscal year and are in construction. Additionally, 2 projects were subject to Tier 4 of the PCRs and are currently under review by the Building Department. Finally, there are 9 projects subject to the PCRs that are currently in the Plan Review process.

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
E.12.k													<b>Post-Construction Storm Water Management Requirements Based on Assessment and Maintenance of Watershed Processes</b>	
✓	E.12.k	NEW BMP	Post Construction Storm Water Management Requirements Based on Assessment and Maintenance of Watershed Processes	Implement the RWQCB's Post-Construction Requirements for all new regulated development and redevelopment projects	Public Works	Engineering	1	X	X	X	X	X	Yes	The City began enforcing the new Post-Construction Requirements on March 6, 2014. Since March 2014, there have been 8 residential projects subject to Tier 1 of the PCRs and 1 project subject to Tier 2 that received their building permit during the fiscal year and are in construction. Additionally, 2 projects were subject to Tier 4 of the PCRs and are currently under review by the Building Department. Finally, there are 9 projects subject to the PCRs that are currently in the Plan Review process.
	E.12.k	PC-2	Revise Mandatory Storm Water BMPs/ Design Standards	1. Revision to require more effective BMPs to treat parking lot runoff	Public Works	Engineering	N/A						Yes	Replaced by implementation of the PCRs
				2. Revision to clarify that all development projects per General Permit Attachment 4 will be subject to structural or treatment control BMP requirements	Public Works	Engineering	N/A						Yes	Replaced by implementation of the PCRs
				3. A process for project applicants to follow to identify structural or treatment control BMPs that will be effective in removing a development project's pollutants of concern.	Public Works	Engineering	N/A						Yes	Replaced by implementation of the PCRs
				4. Revise in accordance with new Hydromodification Control Standards	Public Works	Engineering	N/A	X					Yes	Completed in Permit Year 1
	E.12.k	PC-5	Develop and Enact A Strategy for Implementing LID and Hydromodification Control for New and Redevelopment Projects.	Guidance: 1. Develop, advertise and make available LID BMP Design Guidance suitable for all stakeholders	Public Works, Planning	Engineering	1	X					Yes	Completed in Permit Year 1
				Guidance: 2. Specific guidance on how to achieve and demonstrate compliance with the hydromodification control criteria and LID requirements made available to new and redevelopment project applicants	Public Works, Planning	Engineering	1	X					Yes	Specific guidance on how to achieve and demonstrate compliance with the hydromodification control criteria and LID requirements is included in the revised Chapter 6B of the City's Mandatory Stormwater BMP manual. Chapter 6B includes all of the provisions of the PCRs, including application process and required documentation, design guidance for preferred LID BMP types, and engineering calculations to meet volumetric water quality treatment, retention, and peak management requirements. Additionally, the City also provides links to the BMP manuals and development checklists, a link to the Central Coast SCM sizing calculator developed by Santa Barbara County to help calculate retention requirements, City-specific maps of watershed management zones, rainfall depths, and Urban Sustainability Areas at <a href="http://www.cityofsantacruz.com/lid">www.cityofsantacruz.com/lid</a> .

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
				Education & Outreach: 1. Documentation of goals, schedules, and target audiences for education and outreach the municipality will conduct in support of the following strategic objectives: enforceable mechanisms, hydromodification control criteria, applicability thresholds, LID BMP design, and compliance with LID and hydromodification control criteria	Public Works, Planning	Engineering							Yes	Completed
				Education & Outreach: 2. Tracking Report indicating municipality's accomplishments in education and outreach supporting implementation of LID and hydromodification control for new and redevelopment projects (Q8)	Public Works, Planning	Engineering	1	X					Yes	Completed
				Interim LID Implementation: 1. Apply LID principles and features to all applicable new and redevelopment projects.	Public Works	Engineering							Yes	Completed and replaced by implementation of the PCRs starting March 2014
				2. Tracking Report, for the period Q2 to Q8, identifying LID design principles and features incorporated into each applicable new and redevelopment project.	Public Works	Engineering							Yes	Completed in Permit Year 1

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
	E.12.k	PC-8	<b>Implement Program to Ensure Long-term BMP Inspection and Maintenance. Spot Inspections Will Be Conducted.</b>	1. Develop an electronic database or spreadsheet to better track & assess sites over time	Public Works	Engineering							Yes	The City maintains a spreadsheet to track LID projects requiring maintenance agreements, track annual LID maintenance log submittals, property ownership and contacts, and site inspections. The spreadsheet was modified to specify which PCR Tier projects are subject to. The spreadsheet also identifies structural control measures incorporated into each project. The City is currently collaborating with other municipalities of the Central Coast Region, the Regional Board, and the Central Coast LIDI to evaluate the feasibility of and develop a BMP tracking tool that could be used to support BMP tracking and assess BMP operation over time.
				2. Enforce the proof of annual BMP inspection and maintenance requirement at 100% of sites	Public Works	Engineering	Year 1-5	X	X	X	X	X	Yes	The City requires that a BMP Maintenance Agreement be signed by the property owner/developer for all applicable projects with structural control measures per the City's mandatory BMPs for Public and Private Development Projects (Chapter 6B). The maintenance agreements are recorded into the City's permitting database (TRAKiT). Currently, the City has 45 signed maintenance agreements. In order to ensure that maintenance is conducted, the City sends reminder letters to all the parties responsible for BMP maintenance during the Fall. A Reminder Letter was sent to 27 built sites on September 3, 2014. 11 sites were not sent a letter because these projects were either under construction, had not yet started construction, or were just completed in the fall of 2014. Of the 27 sites sent letters, 19 sites completed and returned their logs before November 2014. 3 sites required multiple follow-ups into January 2015 because contact and/or management information had changed. All sites eventually came into compliance by February 2015. Again this year, staff spent time educating the appropriate people at a number of the sites as the managers, contacts, or the facilities staff change with time and the new personnel is unfamiliar with the requirements.
				3. Implement a spot inspection program at 10% of sites annually	Public Works	Engineering	Year 1-5	X	X	X	X	X	Yes	During the permit year, six sites (greater than 10%) were inspected before and during wet weather on 12/2/14, 12/11/14 and 12/15/14. One site was visited in August in response to an email regarding a poorly maintained bioswale. The Public Works Environmental Projects Analyst met with the property management staff and provided information re: weed removal, bioswale plant trimming, and trash removal on 9/30 - all issues were addressed the following week. All other sites were found to have their BMPs in good working condition.
	E.12.k	PC-9	<b>Implement Corrective Measures and Enforcement Procedures As Needed in Accordance with the Municipal Code</b>	Implement corrective actions, as appropriate, for 100% of sites where a violation is detected	Public Works	Engineering		X	X	X	X	X	Yes	There were no Post-Construction related violations during the permit year.
<b>E.12</b>	<b>Existing BMPs Not Required By the Permit</b>													
		PC-11	<b>Distribute BMP Brochure for Development and Remodeling Projects</b>	Distribute to 100% of discretionary project applicants	Planning/PW	Development Review staff	N/A						Yes	The BMPs are available as printed documents or on the web at the City's updated LID page at <a href="http://www.cityofsantacruz.com/lid">www.cityofsantacruz.com/lid</a> . The Public Works plan reviewer distributed hard copies or pointed applicants to the City's LID page for all proposed projects requiring discretionary or ministerial approval that had not already met all the LID requirements. Generally this was done either via email, referenced in plan review comments, or given to the project developer during project planning meetings. In addition, the BMP brochures are available at both the Planning and Public Works' public counters. SW staff periodically checks the stock available at the Planning public counter to ensure that there is a sufficient supply.

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information	
								2014	2015	2016	2017	2018			
		PC-12	Hold Educational Workshops on LID and Hydromodification Control Requirements	1. One educational workshop after the hydromodification control criteria have been developed	Public Works, Planning	Engineering	1	X						Yes	Goal exceeded: The City conducted a training workshop with designers and developers on the new post-construction requirements and their application in the City of Santa Cruz on October 9, 2014. Attendance was approximately 35. On April 17, 2014, the Monterey Regional Group held a regional Post-Construction workshop in Watsonville; although the City did not sponsor the workshop, City staff helped advertise it to local design firms and City departments. Attendance at the workshop was over 70. On June 6, 2015, the RCD held a regional Post-Construction workshop in Watsonville, funded by a Santa Cruz county-wide Proposition 84 grant. The City helped advertise the workshop and participated in workshop development and presentation. Attendance was over 70 people.
		PC-14	Provide Training to Appropriate Planning & Public Works Staff	1. Train 100% of appropriate staff every two years.	Public Works, Planning	Engineering	N/A							Yes	6 City planners and one PW manager were trained in-house on the PCR requirements by the LID plan reviewer on June 2, 2015.
				2. Train new Inspectors and Plan Reviewers within 3 months of the beginning of employment.	Planning	Planning	N/A							Yes	There is a dedicated Public Works plan reviewer and inspector for stormwater and LID installation. The Public Works stormwater and LID plan reviewer/inspector has been with the City since 2012 and has been trained multiple times on LID. This permit year, the PW stormwater and LID plan reviewer attended the CASQA conference in September 2014 and the RCD LID workshop in Watsonville on 6/5/14.
				3. Additional training on new or changed BMPs as needed	Public Works, Planning	Engineering	Year 1-5	X	X	X	X	X		Yes	The Public Works LID Plan reviewer as well as 2 City planners attended the June 6, 2015 post-construction workshop. 2 planners (Parks and Planning) attended a two-day Coastal Design seminar hosted by NOAA.
		PC-7, CON-2	PW Staff Will Inspect Installation of Post-construction Treatment Systems and Storm Water Retention Devices at Development Sites Greater Than or Equal to One Acre	Inspect systems and devices at 100% of development sites greater than or equal to one acre	Public Works	Engineering	Year 1-5	X	X	X	X	X		Yes	The PW LID plan reviewer and inspector inspects all projects that trigger Tier 2 of the Post-Construction Requirements (over 5,000 SF of new or replaced impervious area). The following projects were active during FY 2014-15 and over 1 acre, and were inspected as follows: 1) Delaware Avenue: Commercial development had been inactive since 2010 (as reported in previous annual reports); construction temporarily resumed in spring 2013 and halted again in Spring 2014. The site was inspected on 10/22/2014 (winterization) and 12/11/14 (wet weather). 2) De Laveaga is a residential subdivision project that was initiated in July 2013, the site was inspected on 9/8/14, 9/24 and 9/25/14 - final inspection. 3) Broadway/Brommer multi-use path is a City Public Works trail project that was initiated in December 2013, the site was inspected on 9/28/14, 10/30/14, 11/18/14, 12/9/14, 12/11/14, and 1/14/15. 4) Jewell Street: Commercial development project that was initiated in January 2015. The site was inspected on 1/27/15, 2/5/15, 2/9/15, 4/6/15, 4/7/15 5) River Street: City redevelopment project that was initiated in October 2014. Preconstruction meeting 10/14. No further inspections as project parking lot improvements were delayed until summer 2015. 6) Mission St. Extension: Hotel development project initiated in July 2014. The site was inspected on 7/22/14, 9/18/14, 9/25/14, 11/19/14, 12/3/14, 12/11/14, 2/5/15, 3/11/15, 4/7/15. 7)The Santa Cruz Metropolitan Authority also has a construction site over 1 acre in size at River Street but the site was not inspected for Post-Construction Treatment Systems because the City's Post-Construction requirements are not binding for State properties/projects. The City provided recommendations on the proposed plans regarding implementation of Post-Construction but is not able to enforce requirements. This project is covered under Industrial General Permit WDID No. 3 44I012085 and Construction General Permit WDID No. 3 44C365560.

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
<b>E.13 WATER QUALITY MONITORING</b>														
✓	E.13.b, E.15	NEW BMP	TMDL Monitoring	Comply with the monitoring requirements included in WAAP and/or consult w/ RWQCB to determine monitoring study design and monitoring implementation schedule	Public Works	Environ Compliance	1	X	X	X	X	X	Yes	During the permit year, the City continued to implement its pilot monitoring program for bacteria in the San Lorenzo River, and Branciforte and Carbonera Creeks. The City had a consultation with RWQCB staff on effectiveness assessment and monitoring on May 27, 2014, and a subsequent telephone meeting on September 2, 201 to follow up and discuss WAAP issues including the possibility of a watershed or regionwide WAAP. The City, along with the County of Santa Cruz, and the cities of Capitola, Scotts Valley, and Watsonville, prepared and submitted a joint WAAP to the RWQCB in June 30, 2015. This joint WAAP serves as a revision to the WAAPs previously submitted by the City.
	E.13.b, E.15	Added BMP	Bacteria Monitoring Pilot Program	Bacteria monitoring in San Lorenzo River, Branciforte Creek, and Carbonera Creek, per specs in WAAP	Public Works	Environ Compliance		X					Yes	The City continues to conduct a pilot monitoring program for bacteria in the San Lorenzo River, Branciforte Creek, and Carbonera Creek re the TMDL for Pathogens. Sampling is done by Environmental Compliance staff & analyzed by the City Wastewater Facility laboratory. Please see attached monitoring report for details on the monitoring program and sampling results.
<b>E.14 PROGRAM EFFECTIVENESS ASSESSMENT</b>														
✓	E.14.a	NEW BMP	Develop and implement a Program Effectiveness Assessment and Improvement Plan that tracks annual and long-term effectiveness of the storm water program	Develop the Effectiveness Assessment and Improvement Plan	Public Works	Engineering	2		X				Yes	The City worked in partnership with Monterey Region municipalities, Central Coast LIDI, and the Regional Board to develop an Effectiveness Assessment and Improvement Plan. The Effectiveness Assessment and Improvement Plan is attached to this annual report.
				Describe implementation of the Plan, summarize data obtained through effectiveness assessment measures, and provide an analysis of the data to improve effectiveness	Public Works	Engineering	3			X	X	X	Year 3-5	Due Permit Year 3-5
✓	E.14.b	NEW BMP	Modify BMPs and/or the program as a whole to improve compliance with permit conditions and improve program effectiveness at reducing pollutant loads, achieving the MEP standard, and protecting water quality				5					X	Year 5	Due Permit Year 5

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
<b>E.15 TOTAL MAXIMUM DAILY LOADS COMPLIANCE REQUIREMENTS</b>														
✓	E.15	NEW BMP	Comply with the effectiveness assessment schedule and process included in WAAP		Public Works	Engineering	1	X	X	X	X	X	Yes	The City, along with the County of Santa Cruz, and the cities of Capitola, Scotts Valley, and Watsonville, prepared and submitted a joint WAAP, including effectiveness assessment, to the RWQCB in June 30, 2015.
<b>BMPs per City of Santa Cruz WAAP for Pathogens</b>														
✓	E.11.f, E.15	NEW BMP	Develop procedures to prioritize storm drain system maintenance		Public Works		2		X				Yes	The City prioritizes areas with the highest traffic for both vehicle and pedestrians, and focuses the majority of our efforts on these areas. The highest priority areas are the Beach, Downtown, and lower Ocean Street areas.
✓	E.11.g, E.15	NEW BMP	Begin maintenance of all high priority storm drains on an on-going schedule according to procedures & priorities developed per E.11.f		Public Works		3			X			Year 3	Permit Year 3
	E.11.g, E.15	MO-4	<b>Inspection, Cleaning, and Repair of City Catch Basins and Inlets</b>	1. Clean 90% of catch basins and inlets located in the Downtown, Beach Flats, and lower Ocean Street areas annually in the Fall	Public Works	Wastewater Mains, Operations		X	X				Yes	90% of catch basins and inlets were cleaned in downtown, B. Flats, and lower Ocean areas in Fall 2014. Almost all drainage from these areas goes to the San Lorenzo River pump stations. A total of 12 cubic yards of debris was collected from both catch basins and storm drain lines. Wastewater Mains Division staff made extensive efforts to accomplish this.
				2. Clean and repair 100% of storm drains or catch basins identified as clogged or non-functional annually in the fall or as soon as possible	Public Works	Wastewater Mains		X	X				Yes	100% of clogged or non-functional storm drains and catch basins were cleaned and repaired citywide. Priority and response is placed on any report from the public for non-functioning or plugged drains.
				3. After large storm events during the wet season, inspect 90% of catch basins in the Downtown, Beach Flats, and lower Ocean Street areas and re-clean them as needed	Public Works	Wastewater Mains, Operations		X	X				Partial	80% of the catch basins in Downtown, Beach Flats, and lower Ocean Street were inspected after large storm events & re-cleaned if needed. Catch basins in these areas are inspected and cleaned as necessary during rain events. Priority and response is placed on any report from the public for non functioning or plugged drains.
				4. Inspect 50% of the catch basins in the outlying areas of the City annually and clean as needed	Public Works	Wastewater Mains, Operations		X	X				Partial	There are at least 1,400 catch basins in the City. As mentioned above, City efforts focused on the high priority areas including the Beach, Downtown, and lower Ocean Street areas. The Downtown and Ocean Street areas flow, via the City storm drain system, to the San Lorenzo River. Thus, due to the focus on higher priority areas, approximately 25% of the catch basins in outlying areas were inspected and then cleaned if necessary.
	E.15	MO-6	<b>Clean Pump Stations Along the San Lorenzo River</b>	Target=Sediment & Bacteria Clean Twice Per Year ( Spring & Fall) Additional cleanings if needed during wet season and after large storm events	Public Works	Wastewater Mains		X	X				Yes	Fall cleaning was completed by 11/15/14. Spring cleaning was completed on 5/29/15. Pump Station 1B (Beach Flats) was cleaned two times during the wet weather season. Each station is inspected daily during wet weather and any floating trash is removed. Of the two seasonal cleaning events, spring cleaning of the pump stations is the most important due to debris from winter runoff/storms.
	E.15	MO-8 (same as ID-4)	<b>Conduct Inspections of Storm Drain Lines</b>	Target=Bacteria & Sediments TV or visual inspect the inside of an average of 1000 feet of pipeline each year over a 5 year period	Public Works	Engineering, Wastewater Mains		X	X				Yes	A total of 3000 feet of storm drain pipe was TV'd in FY2014-2015 at various location including Pacific Avenue, Front Street and Curtis Street. A total of 200 feet of storm drain pipe was TV'd in FY2013-2014 along West Cliff. 2000 feet were TV'd in FY2012/13. 260 feet of storm drain pipe was TV'd in FY2011-2012. 290 feet were TV'd in FY2010-2011. A total of 13,732 feet were TV'd in FY2009-2010.



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								2014	2015	2016	2017	2018		
	E.15	MO-10	Replace or Rehabilitate Sanitary Sewer Main Lines	Target=Bacteria & Sediments Replace or rehabilitate sewer main pipeline as needed each year	Public Works	Engineering, Wastewater Mains							Yes	A total of 4,000 feet of sewer main pipeline was replaced or rehabilitated in FY14-15. Locations of work: Laurel Street and various location on the west side of town.
	E.15	MO-11	Development and Implementation of a Lateral Inspection Program	Implementation of Program starting 2016	Public Works	Engineering	3			X			Yes	PW Engineering staff continued to fine tune a plan with milestone dates to develop an ordinance requiring a property to video its sewer lateral at the time of sale and if a lateral spill occurs to assess its condition. Tentative plan includes: development of program details & draft ordinance, a public review and comment period, outreach to realtors and public, and City Council meetings & approval.
	E.15	MO-13	CBI Grant #1: Dry Weather Diversion of Storm Water from SLR Pump Stations 1, 2, and 1A to the Wastewater Treatment Facility (WWTF)	Divert the SLR pump station water to the WWTF during the dry season until the SLR shoals	Public Works	Engineering Wastewater Mains	Year 1-5	X	X	X	X	X	Yes	During the dry season, water is diverted to the treatment plant until the River shoals, which is typically by August 1st. Water accumulates daily in the pump stations and is pumped out weekly to the treatment plant after testing. Total gallons diverted per pump station from July 1, 2014 to June 30, 2015: Pump Station 1A= 12,600 gallons; Pump Station 1=84,000gallons; and Pump Station 2= 562,800 gallons. *Diversion not possible once river shoals. Summer diversion stations are tested by City Environmental Compliance Division and must meet WWTF requirements prior to discharge into sanitary sewer. All summer diversion pumps are run until the wet well is dry. None of the main pumps are operated during dry weather unless river mouth closes and pumps are needed to relieve ground pressure.
	E.15	MO-14	CBI Grant #2: After CBI Grant Project Completion, Dry Weather Diversion of Storm Water from SLR Pump Stations 1B & 3 to the WWTF	Divert the SLR pump station water to the WWTF during the dry season until the SLR shoals	Public Works	Engineering Wastewater Mains	Year 1-5	X	X	X	X	X	Yes	During the dry season, water is diverted to the treatment plant until the River shoals, which is typically by August 1st. Water accumulates daily in the pump stations and is pumped out weekly to the treatment plant after testing. Total gallons diverted per pump station from June 30, 2014 to June 30, 2015: Pump Station 1B=16,900 gallons and Pump Station 3=1,200 gallons. *Diversion not possible once river shoals. The diversion work (re equipment & piping) was completed at Pump Station # 1B by January 2008 and at Pump Station # 3 on May 27, 2008. Summer diversion stations are tested by City Environmental Compliance Div. and must meet WWTF requirements prior to discharge into sanitary sewer. All summer diversion pumps are run until wet well is dry. None of the main pumps are operated during dry weather unless river mouth closes and pumps are needed to relieve ground pressure.
	E.15	MO-16	Implement Illegal Campsite Clean-Up Program In City Parks and Open Spaces	Cleanup of illegal campsites at the appropriate locations on an annual basis	Parks & Rec		Year 1-5	X	X	X	X	X	Yes	Illegal campsite cleanup efforts are ongoing and conducted daily. The cleanup locations are: 1) San Lorenzo River from the Tate Street intake to the river mouth. Cleanup occurs along the river, on banks/slopes, and along the river levee; 2) Branciforte and Arana Creeks; and 3) Open spaces including Pogonip, Neary Lagoon, DeLaveaga Park, Arana Gulch, and Moore Creek Preserve. The City spends approx. \$50,000 per year on this program.

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								2014	2015	2016	2017	2018		
	E.9.d, E.15	ID-2	Conduct Spill and Illegal Discharge Response	Target=Sediment & Bacteria Respond to 100% complaints and reports of illegal discharges	Public Works	Environmental Compliance	Year 1-5	X	X	X	X	X	Yes	All complaints and reports of illegal discharges are responded to by an EC Inspector asap. Approximately 50 complaints were received this year. The most common complaints are sanitary sewer overflow and the discharge of soapy water and pressure washing wastewater to the street or storm drain system. Sanitary sewer overflow calls from June 30, 2014 to June 30, 2015 equaled: 5 sewer main and 30 private lateral spills. 100% were responded to by Wastewater Mains Division and the spills were cleaned up/pumped out by City Vector Truck. For private lateral spills, Warning Letters are also issued to the property owner requiring maintenance and/or repairs performed by a licensed plumber.
	E.7.a, E.11.g, E.15	PE-1	Replace Worn Stencils or Apply New Stencils to Storm Drain Inlets	24 stencils replaced or newly applied annually	Public Works	Engineering		X	X	X	X	X	Yes	The City funded Save Our Shores (SOS) to assess storm drain catch basins and apply new "No Dumping" markers to unmarked catch basins or those with worn stencils. In total, SOS applied markers to 74 catch basins and assessed over 100 catch basins total.
	E.8.c, E.15	Added BMP	Sponsor river and/or creek cleanups	Programs e.g.: Adopt-A-Levee (in partnership with Save Our Shores), River & Creek Cleanups (Save Our Shores)	Public Works	Engineeering	Year 1-5	X	X	X	X	X	Yes	This year, the City funded or contributed support for several river and beach volunteer cleanups as follows: 1) San Lorenzo River Adopt-A-Levee Program-this is a volunteer group river levee cleanup program which is funded by the City and implemented by Save Our Shores. Each adopting group commits to doing 3 or more cleanups per year. 2) San Lorenzo River Community Volunteer River cleanups-this is a citizen volunteer river levee cleanup program funded by the City and implemented by Save Our Shores. Typically there are four seasonal river cleanups per year. 3) July 4 & 5th Pollution Prevention Outreach and Star Spangled Beach Cleanup-this is a countywide program developed and run by Save Our Shores (SOS). Typically, this program is run at 4 beaches within the City. SOS tracks the number of trash bags distributed on July 4th, and the amount of trash and recycling collected on July 5th.
	E.13.b, E.15	Added BMP	Bacteria Monitoring Pilot Program	Bacteria monitoring in San Lorenzo River, Branciforte Creek, and Carbonera Creek, per specs in WAAP	Public Works	Environ Compliance		X					Yes	The City continues to conduct a pilot monitoring program for bacteria in the San Lorenzo River, Branciforte Creek, and Carbonera Creek re the TMDL for Pathogens. Sampling is done by Environmental Compliance staff & analyzed by the City Wastewater Facility laboratory. Indicator bacteria concentrations are monitored weekly for periods of seven consecutive weeks per season.
✓	E.13.b, E.15	NEW BMP	TMDL Monitoring	Comply with the monitoring requirements included in WAAP and/or consult w/ RWQCB to determine monitoring study design and monitoring implementation schedule	Public Works	Environ Compliance	1	X	X	X	X	X	Yes	See above. In addition, the City had its first consultation with CCRWQCB staff on May 27, 2014 regarding an effectiveness assessment, PEAIIP, and potential regional monitoring. City staff had a subsequent phone call on Sept 2, 2014 with RWQCB including revising the TMDL WAAP, including a joint/regional WAAP effort. The City, along with the County of Santa Cruz, and the cities of Capitola, Scotts Valley, and Watsonville, prepared and submitted a joint WAAP, including effectiveness assessment, to the RWQCB in June 30, 2015.

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<b>BMPs per City of Santa Cruz WAAP for Sediment</b>														
	E.11, E.15	MO-1	Sweep City Streets By Mechanical Sweepers	1. Sweep primary streets in downtown & main beach areas once to twice per week	Public Works	Streets	Year 1-5	X	X	X	X	X	Yes	All sweeping requirements (#1-4) to meet our minimum goals equal 773 curbs miles per month. July 2014 through June 2015, there was a total of 15,390 curbs miles swept (or an average of 1,283 curbs miles swept per month). Total tonnage collected was 921 tons or an average of 77 tons per month. There are 40 curbs miles of commercial streets including downtown, Soquel Ave, Mission & Beach area. This commercial area is our first priority and the minimum goal is to sweep twice each week or 320 miles per month. This year we exceeded our goal.
				2. Sweep primary streets in other commercial areas weekly to twice per month	Public Works	Refuse	Year 1-5	X	X	X	X	X	Yes	All sweeping requirements (#1-4) to meet our minimum goals equal 773 curbs miles per month. July 2014 through June 2015, there was a total of 15,390 curbs miles swept (or an average of 1,283 curbs miles swept per month). Total tonnage collected was 921 tons or an average of 77 tons per month. There are 68 curbs miles of secondary streets, primarily with bike lanes in other commercial areas and including West Cliff Drive and Beach Street. This area is second in our list of priority and the goal is to sweep once per week or 295 miles per month. We exceeded our goal this year.
				3. Sweep 75% of residential streets once to twice per month	Public Works	Refuse	Year 1-5	X	X	X	X	X	Yes	All sweeping requirements (#1-4) to meet our minimum goals equal 773 curbs miles per month. July 2014 through June 2015, there was a total of 15,390 curbs miles swept (or an average of 1,283 curbs miles swept per month). Total tonnage collected was 921 tons or an average of 77 tons per month. This area is third on our priority. There are 212 curbs miles of residential streets, and 75% of that is 159 curbs miles. We exceeded our goal in this area over this last year.
	E.11, E.15	MO-3	Sweep Public Parking Lots and Parking Garages Regularly	Target=Sediment & Bacteria. Clean lots w/a mechanical sweeper 2 or more times per week depending upon which location	Public Works	Traffic/Parking Prog	Year 1-5	X	X	X	X	X	Yes	The City's 25 lots are cleaned 2x or 6x per week w/a mechanical sweeper. This includes 4 garages with 14 levels total. This year, over 450 yards of debris were collected.
✓	E.10.a	NEW BMP	Maintain an inventory of all projects subject to the local construction site SW runoff control ordinance, incl. location of project with respect to waterbodies, threat to WQ, construction phase, required inspection frequency, date of erosion control plan approval		Public Works	Engineering	1	X	X	X	X	X	Yes	The City of Santa Cruz inventories all new discretionary approval applications and ministerial permits via its TRAKiT online database. TRAKiT keeps record of the permit type, location, application status, inspections, and LID requirements. All new permit applications that trigger a grading or building permit are subject to stormwater runoff control requirements. TRAKiT is queried to develop a report of all new permit applications subject to stormwater runoff control and the results are categorized by project type (commercial or residential), status (applied, approved, permit issued, finalized), and whether LID is required. The results are mapped using GIS to identify projects located within TMDL watersheds. Commercial/multifamily projects that create or replace over 5,000 sf of impervious surface are considered higher potential threat and are further tracked in an excel spreadsheet maintained by the Public Works Department - those projects are inspected by both the Building Dept and Public Works to ensure compliance with stormwater BMPs. The Public Works tracking spreadsheet includes additional information, including: project area, SWPPP threat level as applicable, if it is adjacent to a creek, if it is in a TMDL watershed, project description and status, and PW inspections.

New BMP (✓)	Permit Section	New or Existing BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.	General Permit Schedule (Permit Year)	Implementation FY (due date)					DONE Yes/No	BMP Implementation Information
								2014	2015	2016	2017	2018		
✓	E.10.b	NEW BMP	Develop/revise procedures to review and approve relevant construction plan documents.	Require operator of construction activity to prepare and submit erosion and sediment control plan for review.	PW, Planning	Engineering	1	X	x	x	x	x	Yes	In the City, all projects that increase the square footage or volume of a building (including single-family dwellings) are required to meet CalGreen requirements, including providing an erosion and sediment control plan for review. Projects that do not include a building but disturb over 50 cy of soil are required to obtain a grading permit. The City revised Chapter 18.45, Excavation and Grading Regulations, of the Municipal Code to require that all projects subject to the grading permit provide a site plan showing the general vicinity of the proposed project, dimensions of grading cut and fill, the location of surrounding buildings or structures, and the <i>location of construction Best Management Practices (BMP's) as required by the City's mandatory Storm Water BMP manual, as published by the City Public Works Department</i> . The ordinance revision was approved by City Council on July 22, 2014 and published August 22, 2014. Additionally, Public Works revised its mandatory BMPS for Construction Projects to incorporate minimum requirements for the preparation of Erosion Control Plans. The revised mandatory construction BMPs were published on June 30, 2014. All construction projects that trigger a grading or building permit are required to abide by the mandatory construction BMPs.
				Require rationale for BMPs used	PW, Planning	Engineering	1	X	x	x	x	x	Yes	All proposed projects that trigger a grading or building permit must abide by the mandatory construction BMPs published by Public Works. The BMPs require that grading or construction activities be implemented in accordance with an approved erosion control plan. Erosion control plans shall include at a minimum: site topography, nearby watercourses, proposed grading contours, location of utilities, location of proposed erosion control measures, location of proposed sediment control measures, location of construction waste control measures, stockpile and equipment staging areas, total area of disturbance, and list of other required permits associated with grading. The BMPs also list minimum requirements for erosion and sediment control. This guidance ensures that appropriate BMPs are used to control erosion and sediment. Additionally, for projects disturbing over 5,000 cy of soil, the City requires the submittal of an engineering soils report and engineering geology report. The soils engineering report shall include data regarding the nature, distribution and strength of existing soils, conclusions and recommendations for grading procedures, and design criteria for corrective measures, when necessary, and an opinion on the adequacy for the intended use of sites to be developed by the proposed grading as affected by soils engineering factors, including the stability of slopes. Recommendations included in the soils engineering report and/or the engineering geology report shall be incorporated in the grading plans or specifications.

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								2014	2015	2016	2017	2018		
				Require that erosion/sed control plan list applicable permits associated w/ grading activity (CGP, 401, 404, 1600 agreement)	PW, Planning	Engineering	1	X	X	X	X	X	Yes	All proposed projects that trigger a grading or building permit must abide by the mandatory construction BMPs published by Public Works and updated in June 2014. The BMPs include guidance on information that shall be included in erosion control plans. At a minimum, erosion control plans must include: site topography, nearby watercourses, proposed grading contours, location of utilities, location of proposed erosion control measures, location of proposed sediment control measures, location of construction waste control measures, stockpile and equipment staging areas, total area of disturbance, and a list of other required permits associated with grading such as State Construction General Permit, U.S. Army Corps of Engineers 404 permit, State Water Board 401 Water Quality Certification, California Department of Fish and Wildlife 1600 Agreement, as applicable.
				Document review using a checklist	PW, Planning	Engineering	1	X	X	X	X	X	Yes	The Public Works Department uses a checklist based on the revised construction BMPs for review of erosion control plans for projects that create or replace over 5,000 sf of impervious surface area. The Green Building Program in the Building Department has its own Green Building Checklist it uses to document review of project plans.
				SWPPP may substitute for erosion control plan where a SWPPP is developed	PW, Planning	Engineering	1	X	X	X	X	X	Yes	Typically, projects that are required to create a SWPPP first submit an erosion control plan for plan review purposes and then develop the SWPPP once most plan approvals are received. Once the project is approved, Public Works coordinates with the QSP to conduct a pre-construction meeting to go over the SWPPP, erosion control measures, and inspections.
	E.10.c.	CON-1	<b>Planning/Building Inspectors Will Inspect All Construction Sites Requiring a Grading Permit. Inspections Will Also Be Conducted Prior to Well-Forecasted Rain Events at High Priority Construction Projects. Inspectors Will Also Inspect 50% or More of the Open Sites After Major Rain Events or Storms.</b>	1. During the grading process, 100% of small sites will be inspected 2 times and 100% of large sites will be inspected 3 times (Small sites are defined as generally less than 1/2 acre. Large sites are greater than 1/2 acre.)	Planning	Building	1	X					Yes	In total, there were 43 sites including 30 small residential sites, 7 medium-sized commercial sites (>5,000 SF new/replaced impervious), & 6 large sites (> 1 acre) that triggered grading/erosion control requirements and were inspected. Sites are inspected multiple times particularly if they are medium to large sites, or adjacent to sensitive waterbodies. For example, a large site may be inspected 5-10 times (or even more if necessary) during the reporting period. The projects > 1 acre are: 1) Delaware Avenue is a multi-unit commercial development being developed in phases. This project was halted in 2011, construction restarted in 2013 and was completed in December 2014; 2) River Street is a new operations facility, parking structure and related site improvements for the Santa Cruz Metro; 3) Broadway/Brommer multi-use path is a City Public Works trail project that was initiated in December 2013 and completed in January 2015; 4) Jewell Street is a commercial development that was initiated in January 2015; 5) Mission Street is a new hotel development that was initiated in July 2014; 6) River St #2 is a commercial space remodeling project including parking lot retrofits that was initiated in July 2014.
				2. Inspect 100% of high priority sites prior to forecasted rain events	Planning	Building	1	X					Yes	All sites were inspected multiple times by Building inspectors during the rainy season including prior to forecasted rain events. Medium-sized commercial sites and large sites received additional inspections by the Public Works Environmental Projects Analyst prior to, during and/or after 1 or more storms to identify problem sites and ensure BMPs were functioning properly. Also, the 43 sites that had active construction were notified by letter in October 2014. Letters were re: site preparedness and Winter Grading Rules prior to the onset of the rainy season and included the City's mandatory Construction BMPs. Letters are sent by the Building Division to both the property owner and general contractor.

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								2014	2015	2016	2017	2018			
				3. After major rain events, 50% or more of "open" sites will be inspected	Planning	Building	1	X						Yes	All open sites were inspected by Building inspectors after major rain events. Additionally, the Public Works Environmental Projects Analyst conducted inspections during and/or after major rain events at large sites and/or sites with BMP implementation failures.
	E.10.c, E.15	CON-2	<b>PW Staff Will Inspect Installation of Post-construction Treatment Systems and Storm Water Retention Devices at Development Sites Greater Than or Equal to One Acre</b>	Inspect systems and devices at 100% of development sites greater than or equal to one acre	Public Works	Engineering	Year 1-5	X	X	X	X	X		Yes	The PW LID plan reviewer and inspector inspects all projects that trigger Tier 2 of the Post-Construction Requirements (over 5,000 SF of new or replaced impervious area). The following projects were active during FY 2014-15 and over 1 acre, and were inspected as follows: 1) Delaware Avenue: Commercial development had been inactive since 2010 (as reported in previous annual reports); construction temporarily resumed in spring 2013 and halted again in Spring 2014. The site was inspected on 10/22/2014 (winterization) and 12/11/14 (wet weather). 2) De Laveaga is a residential subdivision project that was initiated in July 2013, the site was inspected on 9/8/14, 9/24 and 9/25/14 - final inspection. 3) Broadway/Brommer multi-use path is a City Public Works trail project that was initiated in December 2013, the site was inspected on 9/28/14, 10/30/14, 11/18/14, 12/9/14, 12/11/14, and 1/14/15. 4) Jewell Street: Commercial development project that was initiated in January 2015. The site was inspected on 1/27/15, 2/5/15, 2/9/15, 4/6/15, 4/7/15 5) River Street: City redevelopment project that was initiated in October 2014. Preconstruction meeting 10/14. No further inspections as project parking lot improvements were delayed until summer 2015. 6) Mission St. Extension: Hotel development project initiated in July 2014. The site was inspected on 7/22/14, 9/18/14, 9/25/14, 11/19/14, 12/3/14, 12/11/14, 2/5/15, 3/11/15, 4/7/15. 7)The Santa Cruz Metropolitan Authority also has a construction site over 1 acre in size at River Street but the site was not inspected for Post-Construction Treatment Systems because the City's Post-Construction requirements are not binding for State properties/projects. The City provided recommendations on the proposed plans regarding implementation of Post-Construction but is not able to enforce requirements. This project is covered under Industrial General Permit WDID No. 3 44I012085 and Construction General Permit WDID No. 3 44C365560.
	E.12.k, E.15	PC-5	<b>Develop &amp; Enact A Strategy for Implementing LID &amp; Hydromodification Control For New and Redevelopment Projects</b>	Develop, advertise and make available LID BMP Design Guidance suitable for all stakeholders; Specific guidance on how to achieve and demonstrate compliance with the hydromodification control criteria and LID requirements made available to new and redevelopment project applicants	Public Works Planning	Engineering	1	X						Yes	Completed in Permit Year 1
	E.12.j	PC-10	<b>Develop and/or Modify Enforceable Mechanisms That Will Effectively Implement Hydromodification Controls and LID. Enforceable Mechanisms May Include Municipal Codes, Regulations, Standards, and Specifications.</b>	1. An analysis of all applicable codes, regulations, standards, and/or specifications that identifies modifications and/or additions necessary to effectively implement hydromodification controls and LID (Joint Effort Q2)	Public Works Planning	Engineering	N/A							Yes	The City conducted a thorough GAP Analysis review of all City codes and submitted the Gap Analysis Report to the RWQCB on April 27, 2011. The results of the City's Gap Analysis were incorporated into the City's Watershed Protection Assessment submitted to the RWQCB in June 2013, which covered the General Plan 2030, the City-wide Creeks and Wetlands Management Plan, the Municipal Code, and the Post-Construction Requirements. The assessment found that the new General Plan 2030 for the City, which was adopted in 2012, incorporates many elements that support LID. Minor gaps to LID implementation were identified in the Municipal Code associated with street and parking lot standards. Three of these gaps were regarding existing street/curb design standards that could prevent the use of bio-systems adjacent to the street. One gap concerned the required parking ratios for office buildings. The last identified gap concerned how surface runoff is to be directed.

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								2014	2015	2016	2017	2018			
				Approved new and/or modified enforceable mechanisms that effectively resolve regulatory conflicts and implement hydromodification controls and LID in new and redevelopment projects	Public Works, Planning	Engineering	1	X						Yes	There were no significant gaps. Staff is working on minor revisions to the parking ordinance to help facilitate LID implementation. This should be completed in early 2016. Additionally, the assessment found that the City's mandatory "Storm Water BMPs for Development and Remodel Projects," which are codified by the Municipal Code/Storm Water Ordinance, are currently the best method to implement the new requirements. All development projects are routed through one Public Works development project plan reviewer that ensures that proposed projects meet the revised mandatory BMPs.
				Apply new and/or modified enforceable mechanisms to all applicable new and redevelopment projects.	Public Works, Planning	Engineering	Year 1-5	X	X	X	X	X		Yes	The City began enforcing the new Post-Construction Requirements on March 6, 2014. Since March 2014, there have been 8 residential projects subject to Tier 1 of the PCRs and 1 project subject to Tier 2 that received their building permit during the fiscal year and are in construction. Additionally, 2 projects were subject to Tier 4 of the PCRs and are currently under review by the Building Department. Finally, there are 9 projects subject to the PCRs that are currently in the Plan Review process.
	E.12.k, E.15	PC-8	<b>Implement Program to Ensure Long-term BMP Inspection and Maintenance. Spot Inspections Will Be Conducted.</b>	Enforce the proof of annual BMP inspection and maintenance requirement at 100% of sites	Public Works	Engineering	Year 1-5	X	X	X	X	X		Yes	The City requires that a BMP Maintenance Agreement be signed by the property owner/developer for all applicable projects with structural control measures per the City's mandatory BMPs for Public and Private Development Projects (Chapter 6B). The maintenance agreements are recorded into the City's permitting database (TRAKiT). Currently, the City has 45 signed maintenance agreements. In order to ensure that maintenance is conducted, the City sends reminder letters to all the parties responsible for BMP maintenance during the Fall. A Reminder Letter was sent to 27 built sites on September 3, 2014. 11 sites were not sent a letter because these projects were either under construction, had not yet started construction, or were just completed in the fall of 2014. Of the 27 sites sent letters, 19 sites completed and returned their logs before November 2014. 3 sites required multiple follow-ups into January 2015 because contact and/or management information had changed. All sites eventually came into compliance by February 2015. Again this year, staff spent time educating the appropriate people at a number of the sites as the managers, contacts, or the facilities staff change with time and the new personnel is unfamiliar with the requirements.
				Implement a spot inspection program at 10% of sites annually	Public Works	Public Works	Year 1-5	X	X	X	X	X		Yes	During the permit year, six sites (greater than 10%) were inspected before and during wet weather on 12/2/14, 12/11/14 and 12/15/14. One site was visited in August in response to an email regarding a poorly maintained bioswale. The Public Works Environmental Projects Analyst met with the property management staff and provided information re: weed removal, bioswale plant trimming, and trash removal on 9/30 - all issues were addressed the following week. All other sites were found to have their BMPs in good working condition.
✓	E.13.b, E.15	NEW BMP	<b>TMDL Monitoring</b>	Comply with the monitoring requirements included in WAAP and/or consult w/ RWQCB to determine monitoring study design and monitoring implementation schedule	Public Works	Environ Compliance	1	X	X	X	X	X		Yes	The City Env Compliance Division continues to implement its pilot TMDL monitoring program for bacteria and added sampling for sediment. The City had its first consultation with CCRWQCB staff on May 27, 2014 regarding an effectiveness assessment, PEAIIP, and a potential regional monitoring program. City staff had a subsequent phone call on Sept 2, 2014 with RWQCB staff including revising the TMDL WAAP, including a joint/regional WAAP effort. The City, along with the County of Santa Cruz, and the cities of Capitola, Scotts Valley, and Watsonville, prepared and submitted a joint WAAP, including monitoring and effectiveness assessment, to the RWQCB in June 30, 2015.
<b>E.16</b>	<b>ANNUAL REPORTING PROGRAM</b>														
✓	E.16.a	NEW BMP	<b>Use SMARTS to report and certify</b>		Public Works	Engineering	Year 1-5	X	X	X	X	X		Yes	The Annual Report will be entered into SMARTS by October 15, 2015
	<b>E.16.b</b>		<b>Complete and retain annual reports and make available to RWQCB during working hours</b>		Public Works	Public Works	Year 1-5	X	X	X	X	X		Yes	Annual reports are available for download on the City website and will be provided to the RWQCB upon request
✓	E.16.c	NEW BMP	<b>Submit detailed written or oral report to RWQCB if directed.</b>		Public Works	Engineering	Year 1-5	X	X	X	X	X		Yes	The City will submit reports to the RWQCB as directed
✓	E.16.d	NEW BMP	<b>May coordinate reporting if regional programs</b>		Public Works	Engineering	Year 1-5	X	X	X	X	X		N/A	N/A