

University of California
Santa Cruz



Storm Water Program
Guidance Document

June 2014

TABLE OF CONTENTS

1	REGULATORY BACKGROUND	3
2	PROVISIONS	3
2.1	PROGRAM MANAGEMENT ELEMENTS	3
2.1.1	LEGAL AUTHORITY	3
2.2	EDUCATION AND OUTREACH PROGRAM	4
2.2.1	COMPLIANCE PARTICIPATION OPTIONS	4
2.2.2	PUBLIC EDUCATION AND OUTREACH ON STORM WATER IMPACTS	4
2.2.3	STAFF AND SITE OPERATOR TRAINING AND EDUCATION: ILLICIT DISCHARGE DETECTION AND ELIMINATION TRAINING	5
2.2.4	STAFF POLLUTION PREVENTION AND GOOD HOUSEKEEPING	ERROR! BOOKMARK NOT DEFINED.
2.3	PUBLIC INVOLVEMENT / PARTICIPATION	5
2.4	ILLICIT DISCHARGE DETECTION AND ELIMINATION	5
2.4.1	OUTFALL MAPPING	6
2.4.2	FIELD SAMPLING TO DETECT ILLICIT /DISCHARGES	6
2.4.3	ILLICIT DISCHARGE DETECTION AND ELIMINATION SOURCE INVESTIGATIONS AND CORRECTIVE ACTIONS	6
2.5	CONSTRUCTION SITE STORM WATER RUNOFF CONTROL	6
2.6	POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM	7
2.6.1	PERMITTEE OPERATIONS	7
2.6.2	INVENTORY OF PERMITTEE-OWNED OR OPERATED FACILITIES	8
2.6.3	MAP OF PERMITTEE-OWNED OR OPERATED FACILITIES	8
2.6.4	FACILITY ASSESSMENT	8
2.6.5	STORM WATER POLLUTION PREVENTION PLANS	8
2.6.6	INSPECTIONS, VISUAL MONITORING AND REMEDIAL ACTION	8
2.6.7	STORM DRAIN SYSTEM ASSESSMENT AND PRIORITIZATION	8
2.6.8	MAINTENANCE OF STORM DRAIN SYSTEM	8
2.6.9	PERMITTEE OPERATIONS AND MAINTENANCE ACTIVITIES	8
2.7	POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM	9
2.7.1	PLANNING AND DEVELOPMENT FRAMEWORK	9
2.7.2	AN ONGOING COMMITMENT TO ENVIRONMENTALLY SENSITIVE DEVELOPMENT	9
2.7.3	SUSTAINABILITY	11
2.7.4	NEW DEVELOPMENT DESIGN REQUIREMENTS FOR STORM WATER MANAGEMENT AT THE MARINE SCIENCE CAMPUS	12
2.7.4	PLANNING, DESIGN AND CONSTRUCTION	13
2.8	PROGRAM EFFECTIVENESS ASSESSMENT AND IMPROVEMENT	14
2.8.1	PROGRAM EFFECTIVENESS ASSESSMENT AND IMPROVEMENT PLAN	14
2.8.2	STORM WATER PROGRAM MODIFICATIONS	14
2.9	TOTAL MAXIMUM DAILY LOADS COMPLIANCE REQUIREMENTS	14

1 Regulatory Background

This Storm Water Management Program (SWMP) supplemental Guidance Document part of the Central Coast Regional Water Resources Control Board requirements for compliance with The General Permit for the Discharge of Storm Water from Small Municipal Separate Storm Sewer Systems (MS4) WQ Order No. 2013-0001-DWQ. UC Santa Cruz (UCSC) will continue to implement the existing policies and procedures described in the sections below. Any reduction of these policies or procedures, that may affect water quality, will be done in conjunction with the Central Coast Regional Water Quality Control Board.

UC Santa Cruz's Storm Water Management Program covers all facilities in urbanized areas owned and operated by UC Santa Cruz (which includes the main campus, the Marine Science Campus, the 2300 Delaware Facility and the UC Monterey Bay Education, Science and Technology (MBEST) Center). Off-site facility operations vary widely and not all BMPs may apply at each off-site location.

2 Provisions

2.1 Program Management Elements

2.1.1 Legal Authority

UC is one of ten UC campuses governed by the Regents of the University of California. UC is the only landowner for residential, commercial and institutional uses. UCSC actually employs or contracts for the services of virtually every person in its community who might impact storm water quality through construction activities, new development activities, building maintenance, landscape maintenance, vehicle maintenance, etc.; UCSC is the landlord for all housing. Because the entire MS4 is the property of UCSC, certain controls that do not exist in a traditional community are present. For instance: potentially polluting activities such as landscape maintenance, building maintenance, and food facility operation are performed by a relatively small number of departments and/or people all under employment or contract to the university. Reaching these influential persons and obtaining desired outcomes is made easier. Reducing unwanted impacts from herbicide and pesticide use does not require the attention (education and behavior modification) of every member of the community. Rather, it involves outreach to a relative few individuals involved in landscape and building maintenance who can be expected to both craft and implement an effective program. Vehicle maintenance on campus is prohibited in all locations except the Central Garage facility. This eliminates the need to conduct outreach, inspection and enforcement at numerous vehicle repair facilities. It changes residential outreach. Residents are not generating waste automotive fluids that must be properly collected. However, they must know about the UCSC vehicle maintenance prohibition and that prohibition must be enforced.

Although UC does not have the authority to adopt ordinances, UC has much greater control over actions of the campus community: residents are UC tenants, commercial enterprises and construction contractors operate under contract to UC, and employees are employees of UC.

The Real Estate Office facilitates all campus leases and licenses, and is the only campus office authorized to enter into leases and licenses on behalf of the University. Language in leases/licenses has been updated to include prohibition of discharge of prohibited substance to storm drains. An exhibit was created for Storm Water related Best Management Practices for Food Service Facilities, which is included in all food related

leases/licenses. Leases/Licenses:

<http://re0.ucsc.edu/sites/re0.ucsc.edu/files/docs/Wastewater%20disposal%20-%20leases.pdf>

UCSC Procurement Services is responsible for providing the tools and business processes for acquiring goods and services at UCSC. The purchase order (P.O) terms and conditions were updated to include article 6: Storm Water Drain Management, which prohibits contractors from discharging any substance into University storm drains. P.O terms and conditions: <http://cruzbuy.ucsc.edu/forms/TCAppendixSC.pdf>,

The UCSC Storm Water Program has been crafted to acknowledge and leverage this unique community.

UCSC adopted a water protection policy in 2010 (<http://policy.ucsc.edu/policies/health-and-safety/ehs0015.html>). This policy applies to both storm water and wastewater discharges. The policy includes the following storm water elements:

1. Definitions
2. Applicability
3. Responsibilities
4. Prohibitions for Illicit Discharges, Illicit Connections, and Non-Storm Water Discharges
5. Requirements to Implement SWMP BMPs
6. Requirement to Eliminate Illegal Discharges
7. Enforcement

The University Police can be called upon for enforcement of extremely grievous acts violating state or Federal law. Most problems are worked out cooperatively and do not require punitive measures to have corrective actions implemented. In the event the storm water protection policy is violated but was not a criminal act, a written warning may be issued along with education on protection of storm water on Campus.

2.2 Education and Outreach Program

2.2.1 Compliance Participation Options

UCSC will fulfill education and outreach requirements within our jurisdictional boundary on our own. We are not adjacent to a Phase I MS4.

2.2.2 Public Education and Outreach on Storm Water Impacts

Within the second year of the effective date of the permit, UCSC will implement a public education and outreach program (PEOP) to inform the public about storm water pollution and steps that can be taken to reduce storm water pollution. The PEOP will target our unique public in ways that can enable them to be effective SWMP implementers.

We have developed a Storm Water Management Program Community Outreach Handbook (COH). The COH is broken down into sections for students, staff, and faculty. Each section has a suite of educational tools such as brochures, activities, and resources.

The written communications will primarily be provided only in English because most segments of the UCSC public are comfortable with communications in English. However, two departments (Dining Services and Custodial Services) have a number of employees who may prefer to receive communications in Spanish. For these two departments, the written materials will also be translated into Spanish.

The goals are to:

Educate the UCSC community on the local storm water concerns

Change behaviors that negatively impact watersheds
Promote community involvement

2.2.3 Staff Training

Most staff on campus attend trainings provided by the Campus Storm Water Programs Manager. Refer to Community Outreach Handbook for training content. Staff will be trained biennial.

- Staff and Site Operator Training and Education: Illicit Discharge Detection and Elimination Training will provide:
 - Follow-up training as needed to address changes in procedures, techniques, or staffing
 - Annual Assessment of staff knowledge of illicit discharge response
 - Training for new staff who may be notified of, come into contact with, or observe and illicit discharge or illegal connection.
- Staff Pollution Prevention and Good Housekeeping Training will provide:
 - Assessment of trained staff's knowledge of pollution prevention and good housekeeping
 - Revisions to training as needed

2.3 Public Involvement / Participation

Public involvement and participation are important components of UCSC's Storm Water Management Program (SWMP). The UCSC "public" is the campus community, which includes staff employees, academic employees, students, faculty and staff residents, student residents and visitors. The success of the SWMP largely depends on acceptance and support from these sectors.

With its unique public, UCSC is able to add a few twists to conventional Public Involvement and Participation. One is to include the affected employees and include them in development of BMPs; another is to utilize our spectacular setting to encourage participation; and another is to utilize the UCSC research and teaching components to connect student interns and volunteers into potentially wide-ranging storm water education, outreach, monitoring or other activities.

Existing Programs and Procedures in place:

- Site Stewardship Program
- Volunteers and Internships
- Labeling high priority storm drain inlets
- Storm water awareness messages and information on the UCSCs Storm Water Programs website, cleanwater.ucsc.edu

2.4 Illicit Discharge Detection and Elimination

Illicit connections can generally be prevented and in all instances corrected through implementation of university policies and procedures. Should an improper or illicit discharge occur, most corrective actions can be achieved through an initial dialog. If necessary, appropriate actions will be taken as provided for in the appropriate jurisdiction: the appropriate personnel policy for employees; the student policies for students; or contract law for tenants, vendors and construction contractors.

Existing Policies and Procedures in place:

- Water Protection Policy

- Storm Water Quality Hotline
- Leases/Licenses
- Faculty and Staff Housing CC&Rs
 - Vehicle maintenance prohibitions
 - Car washing prohibitions
 - Pesticide prohibitions
- P.O Terms and Conditions
- Construction Contracts
- Storm Water Hotline
 - Advertise hotline
 - Track reports/responses
- Inspections of Food Facilities

2.4.1 Outfall Mapping

UCSC maintains a storm drain system map. The current map will be updated as necessary. Within the second year of the effective date of the permit, UCSC will up-date the current map to comply with the requirements of Order 2013-0001. The development of the outfall map will include a visual outfall inventory involving a site visit to each outfall.

The outfall map will show:

(a) The location of all outfalls and drainage areas within the urbanized area, contributing to those outfalls that are operated by UCSC, and that directly discharge within UCSCs property line to a receiving water. Each mapped outfall will be given an individual alphanumeric identifier, which shall be noted on the map. Photographs shall be taken or an electronic database shall be utilized to provide baseline information and track operation and maintenance needs over time.

(b) The location (and name, where known) of all water bodies receiving direct discharges from those outfall pipes.

2.4.2 Field Sampling to Detect Illicit /discharges

Within the second year of the effective date of the permit, UCSC will conduct field sampling to detect potential illicit discharges while conducting the outfall inventory. If while conducting the outfall inventory, an outfall is flowing or ponding and it has been more than 72 hours since the last rain event, UCSC will sample the discharge. See Phase II Small MS4 General Permit for field sampling indicator parameters.

2.4.3 Illicit Discharge Detection and Elimination Source Investigations and Corrective Actions

As part of UCSCs Phase II Small MS4 General Permit Order No. 2003-0005-DWG, UCSC conducted an investigation into all possible sources of non-storm water discharge. Corrective action was taken, where necessary, to eliminate potential non-storm water discharge.

UCSC established an Illicit Discharge Reporting System in 2009. The system includes a widely publicized phone number as well as a web-based form to provide timely and effective responses to concerns about storm water management. The reporting system provides an ongoing connection to the public and will assist in measuring the effectiveness for many of the BMPs.

2.5 Construction Site Storm Water Runoff Control

Because UC serves as both the public agency and project proponent for construction sites on University properties, a successful Construction Site Storm Water Runoff Control

Program will vary from the type of program generally established by entities serving as only the public agency.

UCSC division 1 construction specifications section 01 57 23-*Storm Water Pollution Control* contains requirements for projects greater than 1 acre to comply with the Construction General Permit (CGP) and for projects under 1 acre to comply with UCSC Erosion and Sediment Control Standards For Projects Under One Acre and Best Management Practices for Construction Projects Less Than 1 Acre in Area Involving Soil Disturbance Greater Than 50 Cubic Yards. As the Owner, UCSC reviews all Permit Registration Documents before submitting for coverage under the CGP.

Since primary control of construction sites belongs to the Contractor during construction, UC uses the construction contract document package to ensure that adequate storm water controls are in place.

Existing Policies, Programs and Procedures in place:

- Construction Contracts
- Construction Specification
- Storm Water Inspection
 - During the non-rainy season, at a minimum, once for projects disturbing more than 50 cy of dirt and once every two months for projects over an acre. Inspections during the rainy season will be once a month for all projects disturbing over 50 cy of dirt.

2.6 Pollution Prevention/Good Housekeeping for Permittee Operations Program

Existing Policies, Programs and Procedures in place:

- Building Exterior Maintenance Best Management Practices (BMPs)
- Food Service BMPs
- Custodial Services BMPs
- Hazardous Waste Management Program
- Physical Plant Grounds Operations Manual
- Landscape and Turf Management
- Integrated Pest Management
- Pet Prohibition
- Irrigation
- Refuse and Recycling Program
- Street Sweeping
- Washing University Owned Vehicles
- Storm Drain Inspection and Preventative Maintenance

2.6.1 Permittee Operations

Pollution Prevention/Good Housekeeping for Operations and Maintenance is a collaborative effort among many UCSC departments, including: Transportation and Parking Services (TAPS), Physical Plant Grounds (PP-Grounds), Physical Plant Custodial (PP-Custodial), Fleet Services, and College Housing and Educational Services (CHES-Dining Services and CHES-Facilities).

At UCSC, pollution prevention overlaps significantly with other control measures such as public education and illicit discharge because operations and maintenance activities encompass a significant percentage of the potentially polluting activities including all landscape maintenance, all building maintenance, and all food facility operations within

the MS4. All pollution prevention training / public education and outreach documents will discuss permissible and impermissible activities as well as how to report concerns.

2.6.2 Inventory of Permittee-Owned or Operated Facilities

UCSC does not operate any facilities that are a threat to water quality that are not covered by another storm water General Permit.

2.6.3 Map of Permittee-Owned or Operated Facilities

UCSC does not operate any facilities that are a threat to water quality that are not covered by another storm water General Permit.

2.6.4 Facility Assessment

UCSC does not operate any facilities that are a threat to water quality that are not covered by another storm water General Permit.

2.6.5 Storm Water Pollution Prevention Plans

UCSC does not operate any facilities that are a threat to water quality that are not covered by another storm water General Permit.

2.6.6 Inspections, Visual Monitoring and Remedial Action

UCSC does not operate any facilities that are a threat to water quality that are not covered by another storm water General Permit.

2.6.7 Storm Drain System Assessment and Prioritization

Within the second year UCSC will assess/prioritize the storm drain system and assign a priority to all storm drain system facilities according to the criteria outlined in the Permit.

2.6.8 Maintenance of Storm Drain System

Existing Programs and Procedures in place:

- Grounds maintenance

Within the third year UCSC will begin the high priority storm drain systems maintenance program based on the prioritization completed.

2.6.9 Permittee Operations and Maintenance Activities

In the third year, UCSC will:

- develop and implement an O&M activity assessment
- identify all materials that could be discharged from each of these O&M activities
- develop and implement BMPs that will reduce the discharge of pollutants
- evaluate annually all BMPs implemented during O&M activities

2.6.10 Pesticide, Herbicide, and Fertilizer Application and New Landscape Design and Maintenance Management

Physical Plant Grounds Department provides a variety of outdoor maintenance. Primary duties include hard surface cleaning and general garden maintenance. In addition to these tasks, staff provides integrated pest management, minor irrigation repairs, and turf maintenance.

UCSC Grounds Staff implements the following programs/guidance manuals:

- Grounds Services Procedures Manual
- Landscape Management Plan
- Integrated Pest Management Program
- Stewardship Program

Outside contractors may be used for all areas covered under CC&Rs

2.7 Post Construction Storm Water Management Program

2.7.1 Planning and Development Framework

Development at each UC campus is guided by a Long-Range Development Plan (LRDP). The LRDP typically guides development over a 15 -20 year time-frame. The LRDP is a physical development and land-use planning document. The LRDP provides a framework for physical development and is not a mandate to grow.

The LRDP is subject to CEQA and each LRDP Environmental Impact Report (EIR) includes a discussion of potentially significant impacts and identifies mitigation measures that are required to be implemented with development to address the impacts.

The LRDP land use plan is used to guide the siting of potential projects. The actual development of projects is also governed by a funding process and by design requirements. Each project is subject to project-level CEQA review, which may result in identification of project-specific mitigation measures that must be implemented, in addition to LRDP EIR mitigation measures that apply to the project.

The extended planning, design and funding process for projects means that there may be a significant lag time between the adoption of the project's budget and the actual determination of the design requirements in a built project.

Capital Projects State Funding Cycle / Schedule

- Campus maintains a rolling ten-year list of campus Major Capital Projects.
- The Governor approves State funds in one-year increments; campus guaranteed state-project funding is limited to 12 months at a time.

State Funded Project process:

- Campus develops project description and preliminary design elements to facilitate project budget estimate determination (development of Project Planning Guide - PPG): year one – budget.
- University of California Office of the President (UCOP) incorporates project into UC funding package to state for approval by Governor: year two – approval.
- If funding is approved, projects may be able to complete design and initiate construction within one year, however, most projects require two or more years before construction can start.

2.7.2 An Ongoing Commitment to Environmentally Sensitive Development

The first UCSC LRDP was approved in 1963. It was updated in 1971, 1978, 1988 and 2005. While the specifics and terminology have evolved, each LRDP has espoused environmental principles as key components of development. The 1988 and the current 2005 LRDP demonstrate UCSC's long standing commitment to many facets of environmentally sensitive development including practices that are consistent with Low Impact Development and strategies for watershed protection.

"Low Impact Development" Principles Incorporated into 1988 LRDP

The organizing principles guiding the allocation and configuration of land uses for the 1988 LRDP include the following:

- Continuation of the general development pattern of the campus (a core of administration and science buildings surrounded by an arch of colleges and

- other student housing facilities) to minimize travel time between the core and colleges and create stronger connections between adjacent colleges.
- Reliance on infill and clustering of facilities; and efficiency of land use to be achieved partly by reducing building footprints and increasing building height.
 - Making the campus as “pedestrian-friendly” as possible.

The 1988 LRDP identified a total of about 1200 acres of land (out of 2000 total acres, about 60%) not designated for development. The selection of these areas was based on a variety of factors including protection of slopes greater than 20% from substantial development; protection of ravines and canyons from disturbance; maintenance of extensive contiguous grasslands; protection of major springs and seep zones; protection of areas of underdrained depressions; protection of year-round streams; and protection of various biological resources including representative stands of dwarf redwoods and giant chinquapins, plant communities associated with springs, seeps, and underdrained depressions, and riparian vegetation.

“Low Impact Development” Principles and Watershed Protection in the 2005 LRDP

The 2005 LRDP land use map is based on a number of the same planning principles and guidelines as the 1988 LRDP. Principles underlying the land-use patterns include: preserving open space as much as possible; relying on careful infill and clustering of new facilities; integration of the natural and built environment; maintaining a core of academic and administrative buildings surrounded by residential colleges and other housing and support facilities, to facilitate pedestrian and bicycle travel; locating new colleges as close to the core as possible without compromising sites for future development; and reducing building footprints and increase building height where feasible (but not protruding above surrounding tree canopy).

The land use plan also takes into account a number of guidelines for preservation of natural resources, including: development sensitive to preservation of ravines, major grasslands, chaparral, and areas of redwood and mixed evergreen forest; maintaining continuity of wildlife habitats; favoring the use of native plants in landscaping as much as possible; maintaining natural surface drainage flows as much as possible; using financially viable sustainable design strategies to manage storm water, thereby preserving groundwater supplies, major springs, seep zones, year round springs, and major drainage channels, while at the same time preventing slope erosion.

The 2005 LRDP land use plan protects over 1200 acres from development. This includes Campus Resource Land, Campus Natural Reserve (formerly Environmental Reserve); Protected Landscape; and Campus Habitat Reserve. The latter is to be managed for two federally listed species, the California red-legged frog and Ohlone tiger beetle.

The 2005 LRDP maintains open expanse of grassland and meadows. Within the current developed areas of the campus, the ravines and other natural open spaces are retained between development clusters. The envisioned new north campus development will also have development clusters surrounded by unbuilt landscape. The upper campus area remains undeveloped open space.

Like the 1988 LRDP the 2005 LRDP links implementation of planned expansion and construction of parking facilities to actual and projected parking utilization rates. The 2005 LRDP also envisions a number of pedestrian, bicycle and roadway improvements to facilitate pedestrian and bicycle travel on campus, to reduce the number of vehicle trips to campus and to allow additional restriction of automobile traffic in the core.

As indicated above, the campus has several land use designations which are not planned for development under the 2005 LRDP. Most wetlands and riparian lands are included in

these designations. To the limited extent that development is allowed in or near riparian and wetland areas, the 2005 LRDP requires mitigation of potential impacts associated with riparian areas, wetlands, and provides buffer zones as needed. The development that might occur in these areas is limited to projects such as bridge crossings and drainage improvement projects. The mitigations found in the 2005 LRDP Final EIR would be required for these developments.

During the LRDP process, qualified biologists and resources specialists surveyed the campus to identify and map natural resources in order to determine the potential location of open space and development. The resource maps informed both the types and the extent of the land use areas for the LRDP. The maps were used by the campus LRDP committee, which included broad-based constituents, including representatives from the campus, the City of Santa Cruz, the County of Santa Cruz during the LRDP preparation. During the environmental analysis of the LRDP, the biologists assessed the potential impacts to sensitive habitats, including riparian and wetland areas from the potential LRDP development. This assessment assisted in the development of the suite of required mitigations.

The implementation of the LRDP is realized over time and incrementally. As projects under the LRDP are proposed the campus initiates a planning process to program, site, design, and construct new facilities. Part of that process is a focused look at the specific area of the campus in the form of an area plan.

The intent of an area plan is to take the academic programmatic goals of a division(s) and ascertain how best to achieve those goals within the LRDP land use designations and the physical opportunities and constraints of the campus. In addition to analyzing elements associated with development in an area, an area plan is often used to site a proposed building or development. Through the planning process the area plan considers other issues such as capacity of building sites, pedestrian/bike/vehicular circulation, access, topography, natural resources/landscape, service/fire/utility requirements, etc. All area plans will consider healthy watersheds and determine adequate buffers from riparian areas.

2.7.3 Sustainability

UCSC is committed to numerous Sustainable practices to further an institutional commitment to environmental stewardship. Some of these other activities include:

- A Climate Action Compact signed by UCSC, the City of Santa Cruz and the County of Santa Cruz (<http://sustainability.ucsc.edu/climate-action-compact>)
- The UCSC Summary Climate Action Plan was approved by the Chancellor's Executive Committee for Sustainability and Climate Change in October 2012 (http://rs.acupcc.org/site_media/uploads/cap/935-cap_2.pdf)
- Sustainable agriculture research and training through ([The Center for Agroecology and Sustainable Food Systems \(CASFS\)](#)).
- A campus [Food Systems Working Group \(FSWG\)](#), that works to bring sustainable food to campus and to educate the community throughout the year.
- The UCSC Sustainability Assessment (<http://sustainability.ucsc.edu/>),
- Campus Sustainability Plan 2013-16 (http://sustainability.ucsc.edu/governance/files/CSP_2013_2016.pdf)
- UC Policy on Sustainable Practices: (<http://policy.ucop.edu/doc/3100155/Sustainable%20Practices>)

The UC Policy on Sustainable Practices includes a section on water and stormwater. See excerpt below from UC Policy:

8. *Each Water Action Plan will include a section on Stormwater Management developed in conjunction with the location stormwater regulatory specialist that:*
 - a. *Addresses stormwater management from a watershed perspective in a location-wide, comprehensive way that recognizes stormwater as a resource and aims to protect and restore the integrity of the local watershed(s);*
 - b. *References the location's best management practices for preventing stormwater pollution from activities that have the potential to pollute the watershed (e.g., construction; trenching; storage of outdoor equipment, materials, and waste; landscaping maintenance; outdoor cleaning practices; vehicle parking);*
 - c. *Encourages stormwater quality elements such as appropriate source control, site design (low impact development), and stormwater treatment measures to be considered during the planning stages of projects in order to most efficiently incorporate measures to protect stormwater quality;*
 - d. *If feasible, cites relevant and current location stormwater-related plans and permits in an appendix or reference list accompanying the Water Action Plan; and*
 - e. *Includes, to the extent feasible, full cost evaluation of stormwater management initiatives similar to the approach in the Water Usage and Reduction Strategies section above.*

9. *Each location Water Action Plan will include a section on Education and Outreach that:*
 - a. *Presents potential opportunities to serve as a living laboratory for sustainable water projects;*
 - b. *Supports efforts of students, faculty and staff to implement sustainable water systems on campuses and other locations;*
 - c. *Identifies opportunities for pilot projects that illustrate the University's commitment to sustainable water practices through teaching, research, and service; and*
 - d. *Identifies opportunities for new practices that could create behavior change with regard to water use and watershed management.*

2.7.4 New Development Design Requirements for Storm Water Management at the Marine Science Campus

The 98-acre Marine Science Campus is covered by a separate LRDP, known as the CLRDP (Coastal Long Range Development Plan). The CLRDP and related documents are available on the web at <http://ppc.ucsc.edu/cp/projects/11407>. After an extensive planning process and approval by the California Coastal Commission, the CLRDP contains comprehensive provisions for storm water management and watershed protection as the Marine Science Campus is developed. Included in the CLRDP are policies, policy implementation measures, a Resource Management Plan and a Drainage Concept Plan that taken together will ensure that development will protect and in some areas enhance the watershed. The Grading and Drainage Master Plan has since been developed based on six key components from The Drainage Concept Plan:

1. Use of natural and engineered treatment/filtration BMPs in concert with source control and operational BMPS in a "treatment train" approach designed to effectively remove typical urban contaminants from site runoff and to allow the filtered and treated runoff to be used to maintain and enhance habitat areas.
2. Maintenance of pre-development drainage peak flows in the post-development drainage system.
3. Treatment of stormwater and other runoff

4. Maintenance of BMPs and monitoring of filtered and treated stormwater and other runoff to ensure that the drainage system is able to provide effective control of water quantity and quality consistent with plan objectives.
5. Maintenance of groundwater recharge at pre-CLRDP levels to the maximum extent practicable.
6. Correction of erosion and sedimentation problems in Younger Lagoon Reserve caused by drainage from the terrace portion of the site.

2.7.4 Planning, Design and Construction

The Campus Standards are design guidelines given to University contracted consultants. Design consultants enter into a contract with the University called an Executive Design Professional Agreement. This contract allows the University control over the design. The following are sections from the contract that provide enforcement for compliance:

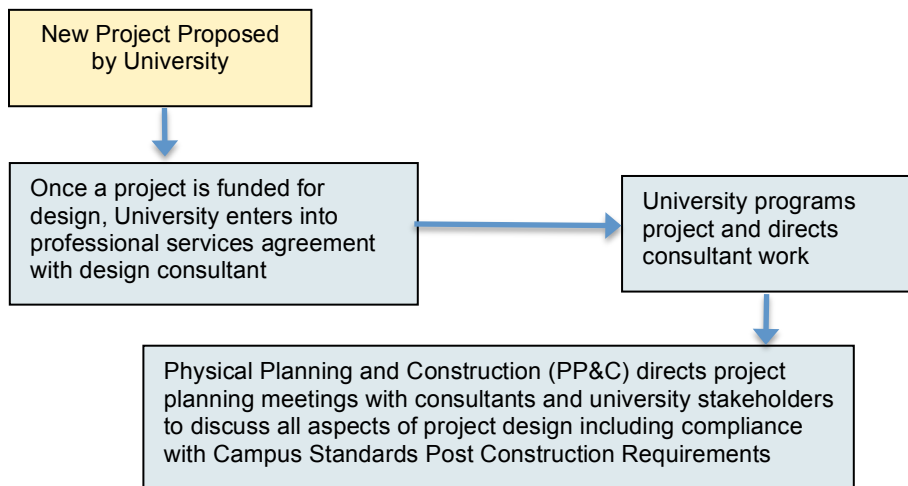
2.1.11 Design Professional shall prepare Construction Documents in compliance with applicable laws, codes, rules, regulations, ordinances, and standards including, without limitation, those listed in Exhibit C.

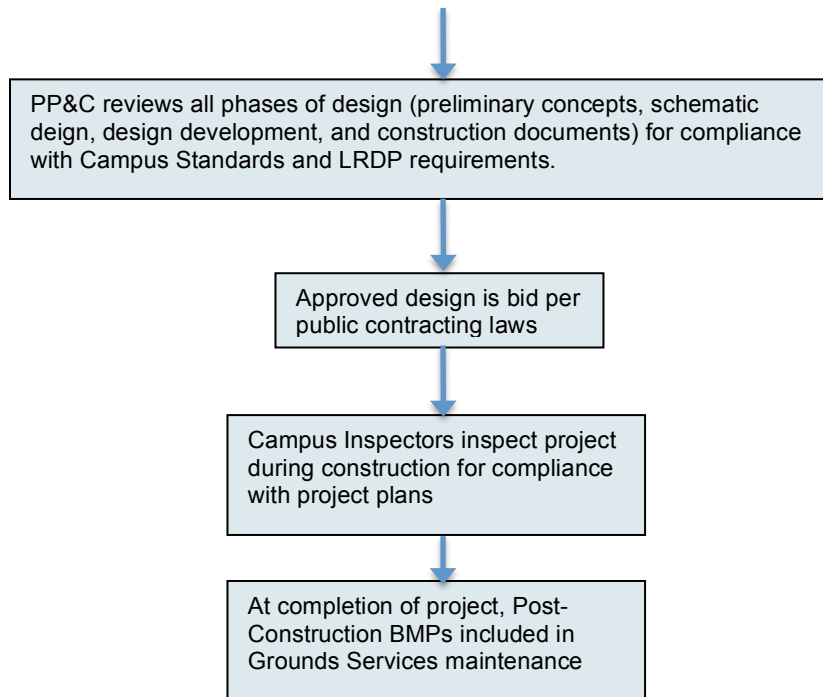
2.4.9 The Construction Documents submittals shall either incorporate any changes or corrections required by University or review agencies as a result of their review of the 50% and 100% completed Construction Documents or be accompanied by a written statement as to why such changes were not incorporated. University may reject Design Professional's explanation and require Design Professional to make the changes or corrections to the Construction Documents as previously requested by University.

Current site design and building requirements are found in the Campus Standards Handbook (<http://ppc.ucsc.edu/consultants/standards.html>).

An extensive plan review process is utilized prior to issuing a Construction Contract. The Process Flow Chart for Planning, Design and Construction (figure 1) illustrates the level of University involvement and oversight throughout the process. Controls over the construction process result from enforcement of the construction contract which is a legally binding document between the contractor and UCSC. Construction contract administration procedures as well as on-site university inspectors are used to ensure contract compliance.

Figure 1: Process Flow Chart for Planning, Design and Construction





2.8 Program Effectiveness Assessment and Improvement

2.8.1 Program Effectiveness Assessment and Improvement Plan

In second year, complete a Program Effectiveness Assessment (EA) and Improvement Plan as outlined in the Permit section F.5.h.1.

2.8.2 Storm Water Program Modifications

In fifth year, based on information gained from the EA, identify modification to control measures/significant activities, including new BMPs or modifications to existing BMPs as outlined in section F.5.h.2

2.9 Total Maximum Daily Loads Compliance Requirements

UCSC does not have any TMDL compliance Requirements

A.1.b.4.a: Overall Planning							
<p>Program Planning: The University of California system is governed by The Regents. In the Standing Orders of The Regents, certain authorities are conferred upon the President by the Board. The Office of the President is the system wide headquarters of the University of California. The Policy Office issues and maintains all Delegations of Authority from the President to the Chancellors and senior managers. The President may choose to transfer certain responsibilities to other senior officers, including Chancellors of the campuses, by formally delegating authority in a published form. Within the Santa Cruz campus, specific operational responsibilities for actions and/or activities, including authority to act, commit, or execute resources and documents legally binding to the University, are assigned to specified campus administrators by delegation of authority letters. Additionally, responsibilities are delegated in policies or captured within job descriptions.</p>							
<p>High Priority BMPs and Goals: Facilitate the comprehensive management of storm water quality, watershed protection, and to subsequently enhance UCSC's environmental stewardship.</p>							
A.1.b.4.b				A.1.b.4.c and d (Required for Renewal Permittees only)			
PERMIT SECTION AND ELEMENT (Feb 5, 2013 Final)	Permit Compliance Year	Responsible Department	Additional implementation notes (i.e., goals, milestones, etc.)	A Is/are existing locally specific SWMP BMP(s) more protective of water quality than minimum requirements of this order? [Y/N] If yes, complete column B.	B If Column A is "Yes", indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of locally specific SWMP BMP(s) that is more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
F.5.a	PROGRAM MANAGEMENT ELEMENT		PP&C -Physical Planning and Construction PP - Physical Plant EH&S - Environmental Health and Safety				
F.5.a.1	Legal Authority (update or create ordinance)	2015	PP&C	See Section A.1.b.4.a	N		
F.5.b.	EDUCATION AND OUTREACH PROGRAM						
F.5.b.1	Select outreach option. If regional program, develop agreements	2014	PP&C	See Section A.1.b.4.a	N		
F.5.b.2	Public Outreach and Education				N		
	Develop and implement comprehensive education and outreach program	2(2015)	PP&C	See Section A.1.b.4.a	N		
	Disseminate education materials to target audiences and translate as appropriate	2(2015)	PP&C	See Section A.1.b.4.a	N		
	Utilize public input in developing outreach program	2(2015)	PP&C	See Section A.1.b.4.a	N		
	Provide water efficient/ storm water friendly landscaping information	2(2015)	PP&C, PP	See Section A.1.b.4.a	N		
	Promote reporting of illicit discharges	2(2015)	PP&C	See Section A.1.b.4.a	N		
	Provide pesticide/fertilizer application information	2(2015)	PP&C, PP	See Section A.1.b.4.a	N		
	Provide materials to school children	2(2015)	NA	See Section A.1.b.4.a	N		
	Storm water webpage	1(2014)	PP&C	See Section A.1.b.4.a	Y	Modify BMP 12: Web page updated as necessary	Website will be updated as new material is developed/changed giving UCSC public information on program.
F.5.b.3	Staff and Site Operator Training and Education: Illicit Discharge Detection and Elimination Training				N		
	Biennial Staff Training	2(2015)	PP&C	See Section A.1.b.4.a	Y	Modify BMP 62, 63, 64, 68, 69, 76, 81, 85, 86, 96: Training BMPs	All these BMPs are related to University programs, procedures or policies. We are consolidating them into one training program. We will continue to train employees. Training will be done biennially.
F.5.b.4	Staff Pollution Prevention and Good Housekeeping				N		
	Biennial Staff training	2(2015)	PP&C	See Section A.1.b.4.a	N	Modify BMP 62, 63, 64, 68, 69, 76, 81, 85, 86, 96: Training BMPs	All these BMPs are related to University programs, procedures or policies. We are consolidating them into one training program. We will continue to train employees. Training will be done biennially.
F.5.c	PUBLIC INVOLVEMENT AND PARTICIPATION PROGRAM						
	Develop program with input of the public and implement	3(2016)	PP&C	See Section A.1.b.4.a	N		
	Site stewardship program	1(2014)	PP	See Section A.1.b.4.a	Y	Modify BMP 38: Two work days will be held each year	The number of participants is irrelevant to the success of a work day. Some projects may only need a few people to implement

A.1.b.4.a: Overall Planning							
<p>Program Planning: The University of California system is governed by The Regents. In the Standing Orders of The Regents, certain authorities are conferred upon the President by the Board. The Office of the President is the system wide headquarters of the University of California. The Policy Office issues and maintains all Delegations of Authority from the President to the Chancellors and senior managers. The President may choose to transfer certain responsibilities to other senior officers, including Chancellors of the campuses, by formally delegating authority in a published form. Within the Santa Cruz campus, specific operational responsibilities for actions and/or activities, including authority to act, commit, or execute resources and documents legally binding to the University, are assigned to specified campus administrators by delegation of authority letters. Additionally, responsibilities are delegated in policies or captured within job descriptions.</p> <p>High Priority BMPs and Goals: Facilitate the comprehensive management of storm water quality, watershed protection, and to subsequently enhance UCSC's environmental stewardship.</p>							
A.1.b.4.b				A.1.b.4.c and d (Required for Renewal Permittees only)			
PERMIT SECTION AND ELEMENT (Feb 5, 2013 Final)	Permit Compliance Year	Responsible Department	Additional implementation notes (i.e., goals, milestones, etc.)	A Is/are existing locally specific SWMP BMP(s) more protective of water quality than minimum requirements of this order? [Y/N] If yes, complete column B.	B If Column A is "Yes", indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of locally specific SWMP BMP(s) that is more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
Volunteers and Internships	1(2014)	PP	See Section A.1.b.4.a	Y	Modify	BMP 39: Utilize volunteers and student interns as necessary to assist in developing and implementing storm water program	The Storm Water Program may not have 200 hours of applicable projects suited to volunteers and interns available every year.
F.5.d	ILLCIT DISCHARGE DETECTION AND ELIMINATION						
F.5.d.1	Outfall Mapping						
Storm Drain System Maps	1(2014)	PP&C	See Section A.1.b.4.a	Y	Modify	BMP 44: Storm drain system maps for Main Campus, MBEST, Delaware and MSC will be updated as necessary.	Changes to the storm drain system do not occur every year. Campus Base Map is updated as changes occur
Create and maintain accurate outfall map including a site visit to each outfall	2(2015)	PP&C, PP	See Section A.1.b.4.a	N			
F.5.d.2	Field Sampling to Detect Illicit Discharges						
Water Quality Monitoring	1(2014)	PP&C	See Section A.1.b.4.a	Y	Maintain	BMP 101: On an annual basis, monitoring plan is implemented	
Sample ANY flowing outfalls while conducting F.5.d.1	2(2015)	PP&C, PP	See Section A.1.b.4.a	N			
Conduct follow-up investigation within 72 hours if action levels exceeded	2(2015)	PP&C, PP	See Section A.1.b.4.a	N			
F.5.d.3	Illicit Discharge Detection and Elimination Source Investigations and Corrective Actions						
Dry weather inlet screening program	1(2014)	PP	See Section A.1.b.4.a	Y	Modify	BMP 41: Inlets inspected at Main Campus, Delaware, MSC, and MBEST as part of routine maintenance performed by Grounds Services. Any non-storm water discharges are investigated	Because of the ongoing maintenance of the Campus, Grounds Services Staff can identify non-storm water discharges during routine area maintenance and they are trained to investigate.
Management control to prevent cross connection				Y	Cease	BMP 42.2: All plumbing work associated with new construction will be permitted through the City of Marin.	MBEST is located in the City of Marina and is required to permit any new construction regardless of this BMP
Management controls to prevent illicit discharges	1(2014)	Procurement Services, Real Estate Office		Y	Modify	BMP 43.2: Boilerplate language is used in all applicable contracts.	UCSC supplemental guidance document provides links to contract language. It is procedure implemented by both offices as described in section 2.1.1 and 2.4
Illicit discharge reporting system	1(2014)	PP&C	See Section A.1.b.4.a	Y	Maintain	BMP 45: All reports to the illicit discharge reporting system will be investigated. Reports will be reviewed to determine opportunities for improvement	
Develop written procedures for investigations and corrective actions	2(2015)	PP&C	See Section A.1.b.4.a	N			
Once source of discharge is identified, req. responsible party to correct within 72 hours of notification and verify with follow-up investigation	2(2015)	PP&C	See Section A.1.b.4.a	N			
Conduct follow-up investigation within 72 hours if action levels exceeded	2(2015)	PP&C	See Section A.1.b.4.a	N			

A.1.b.4.a: Overall Planning								
<p>Program Planning: The University of California system is governed by The Regents. In the Standing Orders of The Regents, certain authorities are conferred upon the President by the Board. The Office of the President is the system wide headquarters of the University of California. The Policy Office issues and maintains all Delegations of Authority from the President to the Chancellors and senior managers. The President may choose to transfer certain responsibilities to other senior officers, including Chancellors of the campuses, by formally delegating authority in a published form. Within the Santa Cruz campus, specific operational responsibilities for actions and/or activities, including authority to act, commit, or execute resources and documents legally binding to the University, are assigned to specified campus administrators by delegation of authority letters. Additionally, responsibilities are delegated in policies or captured within job descriptions.</p> <p>High Priority BMPs and Goals: Facilitate the comprehensive management of storm water quality, watershed protection, and to subsequently enhance UCSC's environmental stewardship.</p>								
A.1.b.4.b				A.1.b.4.c and d (Required for Renewal Permittees only)				
PERMIT SECTION AND ELEMENT (Feb 5, 2013 Final)	Permit Compliance Year	Responsible Department	Additional implementation notes (i.e., goals, milestones, etc.)	A Is/are existing locally specific SWMP BMP(s) more protective of water quality than minimum requirements of this order? [Y/N] If yes, complete column B.	B If Column A is "Yes", indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of locally specific SWMP BMP(s) that is more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))	
F.5.e CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM								
	Develop and implement and enforce program to prevent construction site discharges of pollutants. Include development of contract language requiring compliance with CGP	1(2014)	PP&C	See Section A.1.b.4.a	Y	Modify	BMP 48 & 51: procedures and checklists implemented on all construction projects that disturb more than 50 cy of dirt.	UCSC will combine BMP 48 and 51 to effectively manage all project disturbing over 50cy. UCSC Division 1 documents require contractor to provide an erosion and sediment control plan for projects >50cy and <1acre. All project ≥1acre are required to comply with CGP. Inspection is done according to schedule described in UCSC supplemental guidance document section 2.1.1 and 2.5
	Plan Review for storm water quality impacts	1(2014)	PP&C	See Section A.1.b.4.a	Y	Modify	BMP 52: Storm water runoff quality and quantity are considered in all CEQA documents	The Campus procedure is to follow the UC CEQA Handbook which is a guidance document prepared by UCOP to provide information to campuses on how UC implements CEQA. Storm water quality and quantity are topic areas in the handbook. CEQA is a UCSC procedure. UCSC will continue to follow the UC CEQA Handbook as a procedure.
	Storm water training	2(2015)	PP&C	See Section A.1.b.4.a	Y	Reduce	BMP 54: PP and PP&C staff participate in biennial storm water training. New staff will be trained within first year of employment.	Staff has received annual training for the past 8 years. They are knowledgeable on construction site BMPs and reducing the training to biennial will not affect water quality.
F.5.f POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM								
F.5.f.1	Inventory of Permittee-Owned and Operated Facilities							
	Develop and maintain inventory of ALL permittee owned or operated facilities that are a potential threat to water quality	2(2015)	EH&S	See Section A.1.b.4.a	N			
F.5.f.2	Map of Permittee-owned or Operated Facilities							
	Develop a map of inventoried facilities	2(2015)	EH&S	See Section A.1.b.4.a	N			
F.5.f.3	Facility Assessment							
	Conduct comprehensive annual assessment and identify subset of facilities that could be considered hotspots	3(2016)	EH&S	See Section A.1.b.4.a	N			
	Document comprehensive assessment procedures and results	3(2016)	EH&S	See Section A.1.b.4.a	N			
F.5.f.4	Stormwater Pollution Prevention Plans							
	Develop SWPPPS for hotspots	2017	PP&C	See Section A.1.b.4.a	N			
F.5.f.5	Inspections, Visual Monitoring and Remedial Action							

A.1.b.4.a: Overall Planning							
<p>Program Planning: The University of California system is governed by The Regents. In the Standing Orders of The Regents, certain authorities are conferred upon the President by the Board. The Office of the President is the system wide headquarters of the University of California. The Policy Office issues and maintains all Delegations of Authority from the President to the Chancellors and senior managers. The President may choose to transfer certain responsibilities to other senior officers, including Chancellors of the campuses, by formally delegating authority in a published form. Within the Santa Cruz campus, specific operational responsibilities for actions and/or activities, including authority to act, commit, or execute resources and documents legally binding to the University, are assigned to specified campus administrators by delegation of authority letters. Additionally, responsibilities are delegated in policies or captured within job descriptions.</p> <p>High Priority BMPs and Goals: Facilitate the comprehensive management of storm water quality, watershed protection, and to subsequently enhance UCSC's environmental stewardship.</p>							
A.1.b.4.b				A.1.b.4.c and d (Required for Renewal Permittees only)			
PERMIT SECTION AND ELEMENT (Feb 5, 2013 Final)	Permit Compliance Year	Responsible Department	Additional implementation notes (i.e., goals, milestones, etc.)	A Is/are existing locally specific SWMP BMP(s) more protective of water quality than minimum requirements of this order? [Y/N] If yes, complete column B.	B If Column A is "Yes", indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of locally specific SWMP BMP(s) that is more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
Quarterly visually inspect hotspots	2018	PP&C, EH&S	See Section A.1.b.4.a	N			
Annual comprehensive hotspot inspection	2018	PP&C, EH&S	See Section A.1.b.4.a	N			
Quarterly hotspot visual observation of storm water and non-storm water discharges	2018	PP&C, EH&S	See Section A.1.b.4.a	N			
Non-Hotspots - Inspect each inventoried facility that is not a hotspot once during permit	2018	PP&C, EH&S	See Section A.1.b.4.a	N			
F.5.f.6 Storm Drain System Assessment and Prioritization							
Implement procedures to assess and prioritize maintenance of storm drain system infrastructure. And assign a priority to each facility based on accumulation of sediment, trash and/or debris	2(2015)	PP	See Section A.1.b.4.a	N			
F.5.f.7 Maintenance of Storm Drain System							
Storm drain system inspection and preventative maintenance	1(2014)	pp	See Section A.1.b.4.a	Y	Modify	BMP 78: Inspection and maintenance is implemented according to schedule	Order No. 2013-001 has different requirements than our current BMP. I believe the only thing more protective it is that we are currently inspecting and maintaining our system. UCSC proposes to continue our measureable goal until year 3 when new permit requirements apply.
Inspect storm drain systems based on assigned priorities.	3(2016)	PP	See Section A.1.b.4.a	N			
Inspect high priority catch basins annually	3(2016)	PP	See Section A.1.b.4.a	N			
Clean high priority storm drains	3(2016)	PP	See Section A.1.b.4.a	N			
Maintain surface drainage structures	3(2016)	PP	See Section A.1.b.4.a	N			
Develop procedure to dispose of waste materials removed from catch basins	3(2016)	PP	See Section A.1.b.4.a	N			
F.5.f.8 Permittee Operations and Maintenance Activities (O&M)							
Cleaning streets	1(2014)	PP	See Section A.1.b.4.a	Y	Modify	BMP 77.1, 77.2, 77.5: Sweep roads and parking lots according to sweeping log	Currently all roads are swept on different sweeping schedules. We propose to sweep all roads once a quarter and as needed as debris is discovered.

A.1.b.4.a: Overall Planning							
<p>Program Planning: The University of California system is governed by The Regents. In the Standing Orders of The Regents, certain authorities are conferred upon the President by the Board. The Office of the President is the system wide headquarters of the University of California. The Policy Office issues and maintains all Delegations of Authority from the President to the Chancellors and senior managers. The President may choose to transfer certain responsibilities to other senior officers, including Chancellors of the campuses, by formally delegating authority in a published form. Within the Santa Cruz campus, specific operational responsibilities for actions and/or activities, including authority to act, commit, or execute resources and documents legally binding to the University, are assigned to specified campus administrators by delegation of authority letters. Additionally, responsibilities are delegated in policies or captured within job descriptions.</p> <p>High Priority BMPs and Goals: Facilitate the comprehensive management of storm water quality, watershed protection, and to subsequently enhance UCSC's environmental stewardship.</p>							
A.1.b.4.b				A.1.b.4.c and d (Required for Renewal Permittees only)			
PERMIT SECTION AND ELEMENT (Feb 5, 2013 Final)	Permit Compliance Year	Responsible Department	Additional implementation notes (i.e., goals, milestones, etc.)	A Is/are existing locally specific SWMP BMP(s) more protective of water quality than minimum requirements of this order? [Y/N] If yes, complete column B.	B If Column A is "Yes", indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of locally specific SWMP BMP(s) that is more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
Cleaning parking lots	1(2014)	TAPS	See Section A.1.b.4.a	Y	Modify	BMP 77: Sweep roads and parking lots according to sweeping log	Currently all lots on Main Campus are maintained by daily trash removal as part of procedure and blowing at least 10 times per year. TAPS propose to assess their O&M activities to better target the following constituents: trash, sediment, oil & grease. During the next year TAPS will develop written O&M procedures for parking lot maintenances. TAPS will continue daily trash removal and blowing until written procedures are developed.
Refuse/Recycling Program	1(2014)	PP	See Section A.1.b.4.a	Y	Modify	BMP 79: continue program	This is a program that Grounds operates as part of UCSC operations. We will continue to implement the program. Not needed as a BMP
Homeless Encampments	1(2014)	Police	See Section A.1.b.4.a	Y	Modify	BMP 94: continue to enforce policy	This is a University Policy. We will continue to enforce policy. Not needed as a BMP
Hazardous Materials Emergency Response Organization	1(2014)	EH&S	See Section A.1.b.4.a	Y	Modify	BMP 96: continue to respond to reports of spilled hazardous materials.	The University will continue the Implementation of Hazardous Materials Emergency Response Plan as required by California Health and Safety Code. Not needed as a BMP as it is a regulatory requirement.
Develop program to assess O&M activates for potential to discharge pollutants and inspect all O&M BMPs quarterly	3(2016)	PP	See Section A.1.b.4.a	N			
F.5.f.9 Landscape Design and Maintenance							
Implement a landscape design and maintenance program to reduce the amount of water, pesticides and fertilizers used by Permittees	2(2015)	PP&C, PP	See Section A.1.b.4.a	N			
Educate applicators and distributors of storm water issues	2(2015)	PP&C, PP	See Section A.1.b.4.a	N			
Implement best practices to reduce pesticides and fertilizers	2(2015)	PP	See Section A.1.b.4.a	N			
Proper disposal of unused chemicals	2(2015)	PP, EH&S	See Section A.1.b.4.a	N			
Minimize irrigation run-off	2(2015)	PP	See Section A.1.b.4.a	N			
F.5.g POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM							
F.5.g.1							
Main Campus planning and design requirements	1(2014)	PP&C	See Section A.1.b.4.a	Y	modify	BMP 55.1, 55.2,55.8: applicable measures included in projects	All design measures have been incorporated into Campus Standards.

A.1.b.4.a: Overall Planning							
<p>Program Planning: The University of California system is governed by The Regents. In the Standing Orders of The Regents, certain authorities are conferred upon the President by the Board. The Office of the President is the system wide headquarters of the University of California. The Policy Office issues and maintains all Delegations of Authority from the President to the Chancellors and senior managers. The President may choose to transfer certain responsibilities to other senior officers, including Chancellors of the campuses, by formally delegating authority in a published form. Within the Santa Cruz campus, specific operational responsibilities for actions and/or activities, including authority to act, commit, or execute resources and documents legally binding to the University, are assigned to specified campus administrators by delegation of authority letters. Additionally, responsibilities are delegated in policies or captured within job descriptions.</p> <p>High Priority BMPs and Goals: Facilitate the comprehensive management of storm water quality, watershed protection, and to subsequently enhance UCSC's environmental stewardship.</p>							
A.1.b.4.b				A.1.b.4.c and d (Required for Renewal Permittees only)			
PERMIT SECTION AND ELEMENT (Feb 5, 2013 Final)	Permit Compliance Year	Responsible Department	Additional implementation notes (i.e., goals, milestones, etc.)	A Is/are existing locally specific SWMP BMP(s) more protective of water quality than minimum requirements of this order? [Y/N] If yes, complete column B.	B If Column A is "Yes", indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of locally specific SWMP BMP(s) that is more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
F.5.g.1	1(2014)	PP&C	See Section A.1.b.4.a	Y	modify	BMP 55.11 Documents listed will be listed in Annual Report. Documents will be modified to provide long term watershed protection	Documents will be provided upon request.
F.5.g.1	1(2014)	PP&C	See Section A.1.b.4.a	Y	Cease	BMP 55.5: University Specific Criteria developed and included in projects	This BMP was developed during the beginning of the Joint Effort. The joint Effort provided the criteria that the University will be implementing as part of the Post Construction Requirements (PCRs)
F.5.g.1	1(2014)	PP&C	See Section A.1.b.4.a	Y	modify	BMP 57: Provide web link to Annual CLRDP report	A comprehensive Annual report is provide to Coastal Commission Director. UCSC can provide a web link to the Annual Report upon request.
F.5.g.1	1(2014)	PP&C	See Section A.1.b.4.a	N	Cease	BMP 58: Infiltration basins are included in all new development	There is no development planned for MBEST. In the event development is planned, UCSC will consult with RWQCB staff regarding storm water requirements
	1(2014)	PP&C, PP	See Section A.1.b.4.a			UCSC will comply with the Post-Construction Storm water Management Requirements for Development Projects in the Central Coast Region	
F.5.g.2							
	1(2014)	PP&C, PP	See Section A.1.b.4.a			UCSC will comply with the Post-Construction Storm water Management Requirements for Development Projects in the Central Coast Region	
	1(2014)	PP&C, PP	See Section A.1.b.4.a			UCSC will comply with the Post-Construction Storm water Management Requirements for Development Projects in the Central Coast Region	
F.5.g.3							
	No date provided - permittee may propose if desired		See Section A.1.b.4.a			UCSC will comply with the Post-Construction Storm water Management Requirements for Development Projects in the Central Coast Region	
F.5.g.4							
	1(2014)	PP				UCSC will comply with the Post-Construction Storm water Management Requirements for Development Projects in the Central Coast Region	
F.5.h	PROGRAM EFFECTIVENESS ASSESSMENT						
F.5.h.1	Program Effectiveness Assessment and Improvement Plan (PEAIP)						

A.1.b.4.a: Overall Planning							
<p>Program Planning: The University of California system is governed by The Regents. In the Standing Orders of The Regents, certain authorities are conferred upon the President by the Board. The Office of the President is the system wide headquarters of the University of California. The Policy Office issues and maintains all Delegations of Authority from the President to the Chancellors and senior managers. The President may choose to transfer certain responsibilities to other senior officers, including Chancellors of the campuses, by formally delegating authority in a published form. Within the Santa Cruz campus, specific operational responsibilities for actions and/or activities, including authority to act, commit, or execute resources and documents legally binding to the University, are assigned to specified campus administrators by delegation of authority letters. Additionally, responsibilities are delegated in policies or captured within job descriptions.</p> <p>High Priority BMPs and Goals: Facilitate the comprehensive management of storm water quality, watershed protection, and to subsequently enhance UCSC's environmental stewardship.</p>							
A.1.b.4.b				A.1.b.4.c and d (Required for Renewal Permittees only)			
PERMIT SECTION AND ELEMENT (Feb 5, 2013 Final)	Permit Compliance Year	Responsible Department	Additional implementation notes (i.e., goals, milestones, etc.)	A Is/are existing locally specific SWMP BMP(s) more protective of water quality than minimum requirements of this order? [Y/N] If yes, complete column B.	B If Column A is "Yes", indicate if you will Maintain, Reduce or Cease BMP(s) and complete Column C. If Reduce or Cease, also complete column D.	C Provide brief description of locally specific SWMP BMP(s) that is more protective of water quality, including measurable goal(s). Include specific reference to location in existing SWMP.	D Demonstrate that Reduction or Cessation of more protective BMP(s) is in compliance with this Order and the maximum extent practicable standard, and will not result in increased pollutant discharges (Justification for Reduction or Cessation of BMP(s))
	Submit PEAP	2(2015)	PP&C		N		
F.5.h.2	Storm Water Program Modifications						
	Identify and summarize BMP and/or program modifications identified in priority program areas that will be made in the next permit term	5(2018)	PP&C		N		
F.5.i	TOTAL MAXIMUM DAILY LOADS COMPLIANCE REQUIREMENTS						
F.5.i.1	Comply with all approved TMDLs (Attachment G)	1(2014)	No TMDL-specific permit requirements		N		
F.5.i.2	Waste load allocations are incorporated herein by reference as enforceable parts of this Order	1(2014)			N		
F.5.i.3	Regional Board reviews TMDLs within one year of effective date and may propose modifications to requirements	1(2014)			N		
F.5.i.4	Reports status of implementation via SMARTS	1(2014)			N		
F.5.i.5	Comply with Clean Water Act Sections 303d,306b and 314	1(2014)			N		
F.5.j	ANNUAL REPORTING PROGRAM						
F.5.j.2	Use SMARTS to report and certify	2014-2018	PP&C		N		
F.5.j.3	Complete and retain annual reports and make available to RWQCB during working hours.	2014-2018	PP&C		N		
F.5.j.4	Submit detailed written or oral report to RWQCB if directed.	2014-2018	PP&C		N		
F.5.j.5	May coordinate reporting if regional programs	2014-2018	PP&C		N		