

University of California
Campus Sewer System Management Plans

Development Plans and Schedules

November 15, 2007

SSMP Development Plan & Schedule					
Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
Application for Permit Coverage	Submit Notice of Intent (NOI) to state identifying agency's authorized representative including required permit fee	11/2/2006	11/2/2006	Sara Shirazi Associate Director, Campus Facilities Physical Plant Campus Services	510-642-6648 shirazi@berkeley.edu
SSO Electronic Reporting Program	Compliance with Monitoring & Reporting Program No. 2006-0003 using the CIWQS online database system	11/2/2006	11/2/2006	Sara Shirazi Associate Director, Campus Facilities Physical Plant Campus Services	510-642-6648 shirazi@berkeley.edu
SSMP Development Plan & Schedule	Initial plan on developing & implementing SSMP	11/2/2007	10/26/2007	Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
1.0 Goal	Stated Goals for SSMP	11/2/2007	10/26/2007	Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
2.0 Organizational Structure*		11/2/2007	10/26/2007	Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
Administrative & Organization Structure	Names & Staff positions responsible for developing & implementing the SSMP		10/26/2007	Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
Chain of Communication	Chain of communication for SSO reporting		10/26/2007	Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
3.0 Legal Authority*	Demonstration of Legal Authority to operate and maintain sewage collection system	11/2/2008		Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu

* Components of the final SSMP

Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
4.0 Operation & Maintenance Program*		11/2/2008		Chi Ku Senior Superintendent, Utilities Operation Physical Plant Campus Services	510-643-4026 chimanku@berkeley.edu
Mapping	Current mapping of sewage collection system including appropriate storm water systems			Fred Karampour Senior Engineer Physical Plant Campus Services	510-642-5673 fredka@berkeley.edu
Preventative Maintenance Program	Written descriptions of Preventative Maintenance Activities			Sara Shirazi Associate Director, Campus Facilities Physical Plant Campus Services	510-642-6648 shirazi@berkeley.edu
Rehabilitation & Replacement Program	Short & Long term plan for rehabilitation or replacement including funding schedule			Sara Shirazi Associate Director, Campus Facilities Physical Plant Campus Services	510-642-6648 shirazi@berkeley.edu
Inspection Program	Program for regular visual and CCTV system inspection			Chi Ku Senior Superintendent, Utilities Operation Physical Plant Campus Services	510-643-4026 chimanku@berkeley.edu
Staff Training	Operations & Maintenance staff training and training assurance			Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
Equipment & Parts Inventory	Equipment & Parts inventory including identification of critical replacement parts			Chi Ku Senior Superintendent, Utilities Operation Physical Plant Campus Services	510-643-4026 chimanku@berkeley.edu
5.0 Design & Performance*		8/2/2009		Robert Gayle Associate Vice Chancellor, Project Management Capitol Projects	510-643-4061 rgayle@cp.berkeley.edu
Design Standards	Design standards for new & rehabilitated systems			Robert Gayle Associate Vice Chancellor, Project Management Capitol Projects	510-643-4061 rgayle@cp.berkeley.edu
Inspection & Testing Standards	Inspection & testing standards for new & rehabilitated systems			Joel Wishnoff Director of Construction, Inspection Services Capitol Projects- CIS	510-642-0489 jwishnoff@cp.berkeley.edu

* Components of the final SSMP

Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
6.0 Overflow Emergency Response Program*	Written Procedures for response to SSOs	11/2/2008		Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
7.0 Fats, Oils & Grease (FOG) Control Program*	Program to reduce or eliminate FOG related SSOs	11/2/2008		Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
8.0 System Evaluation & Capacity Assurance Plan*	Capitol Improvement Plan for hydraulic capacity including system evaluation for portions experiencing capacity related overflows.	8/2/2009		Robert Gayle Associate Vice Chancellor, Project Management Capitol Projects	510-643-4061 rgayle@cp.berkeley.edu
9.0 Monitoring, Measurement & Program Modifications	Maintain records, monitor and assess effectiveness of program; update as necessary	8/2/2009		Greg Haet Associate Director, Environmental Protection Environment, Health & Safety AND Sara Shirazi Associate Director, Campus Facilities Physical Plant Campus Services	510-642-4848 gjhaet@berkeley.edu 510-642-6648 shirazi@berkeley.edu
10.0 SSMP Audit Plan	Schedule of periodic SSMP audits, at least every two years	8/2/2009		Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
11.0 Communication Program		8/2/2009		Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
Communications with Public & Agencies	Communication plan to public on development, implementation & performance; Plan of regular communication to satellite agencies			Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu
Final SSMP, incorporating all requirements	Final SSMP document after all elements developed & implemented.	8/2/2009		Greg Haet Associate Director, Environmental Protection Environment, Health & Safety	510-642-4848 gjhaet@berkeley.edu

* Components of the final SSMP

SSMP Development Plan & Schedule						
Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information	
Application for Permit Coverage	Submit Notice of Intent (NOI) to state identifying agency's authorized representative including required permit fee	11/2/2006	09/2006	Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu	
SSO Electronic Reporting Program	Compliance with Monitoring & Reporting Program No. 2006-0003 using the CIWQS online database system	9/2/2007	Continuous	Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu	
SSMP Development Plan & Schedule	Initial plans for developing & implementing SSMP	11/2/2007		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu	
1.0 Goal	Create goals for SSMP	11/2/2007		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu	
2.0 Organizational Structure*		11/2/2007		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu	
Administrative & Organization Structure	Names & staffs positions responsible for developing & implementing the SSMP			David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu	
Chain of Communication	Chain of communication for SSO reporting			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu	
3.0 Legal Authority*	Demonstration of Legal Authority to operate and maintain sewage collection system	5/2/2009		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu	

* Components of the final SSMP

Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
4.0 Operation & Maintenance Program*		5/2/2009		Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Mapping	Up to date mapping of sewage collection system including appropriate storm water systems			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Preventative Maintenance Program	Written descriptions of Preventative Maintenance Activities			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Rehabilitation & Replacement Program	Short & Long term plan for rehabilitation or replacement including funding schedule			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Inspection Program	Program for regular visual and CCTV system inspection			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Staff Training	Operations & Maintenance staff training and training assurance			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Equipment & Parts Inventory	Equipment & Parts inventory including identification of critical replacement parts			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
5.0 Design & Performance*		8/2/2009		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu

* Components of the final SSMP

Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
Design Standards	Design standards for new & rehabilitated systems			David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu
Inspection & Testing Standards	Inspection & testing standards for new & rehabilitated systems			David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu
6.0 Overflow Emergency Response Program*	Written Procedures for response to SSOs	5/2/2009		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu
7.0 Fats, Oils & Grease (FOG) Control Program*	Program to reduce or eliminate FOG related SSOs	5/2/2009		Sue Fields Manager Environmental Protection Environment, Health & Safety	530-752-3044 smfields@ucdavis.edu
8.0 System Evaluation & Capacity Assurance Plan*	Capitol Improvement Plan for hydraulic capacity including system evaluation for portions experiencing capacity related overflows.	8/2/2009		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu
9.0 Monitoring, Measurement & Program Modifications	Maintain records, monitor and assess effectiveness of program; update as necessary	8/2/2009		Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance AND Sue Fields Manager Environmental Protection Environment, Health & Safety	530-752-7553 mmfan@ucdavis.edu 530-752-3044 smfields@ucdavis.edu
10.0 SSMP Audit Plan	Schedule of periodic SSMP audits, at least every two years	8/2/2009		Sue Fields Manager Environmental Protection Environment, Health & Safety	530-752-3044 smfields@ucdavis.edu

* Components of the final SSMP

Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
11.0 Communication Program		8/2/2009		Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Communications with Public & Agencies	Communication plan to public on development, implementation & performance; Plan of regular communication to satellite agencies			Michael Fan Senior Engineer, Utilities Water & Waste Services Operations & Maintenance	530-752-7553 mmfan@ucdavis.edu
Final SSMP, incorporating all requirements	Final SSMP document after all elements developed & implemented.	8/2/2009		David Phillips Associate Director, Utilities Water & Waste Services Operations & Maintenance	530-754-8214 dxphillips@ucdavis.edu

UC Irvine
Sewer System Management Plan (SSMP)
Development Plan and Schedule

Task	Responsibility	Date Due
SSMP Development Plan and Schedule	Environmental Health and Safety Facilities Management	11/02/2007
SSMP Goal Statement	Environmental Health and Safety	11/02/2007
Organization Structure, Responsibilities and Contact Information	Environmental Health and Safety	11/02/2007
Public notice of SSMP development	Environmental Health and Safety	11/02/2007
Overflow Emergency Response Plan	Environmental Health and Safety Emergency Response Team Facilities Management	05/02/2009
Description of procedures to prohibit illegal discharges and require proper system connections	Environmental Health and Safety	05/02/2009
Operation and Maintenance Program, to include: <ul style="list-style-type: none"> • system map, • PM program, • training program, • inspection program • equipment and parts inventory • rehabilitation and replacement program • capital improvement plan 	Facilities Management	05/02/2009
Fat, oil and grease (FOG) control program	Food Facilities Environmental Health and Safety Facilities Management	05/02/2009
Design standards and specifications for new and replacement construction	Design & Construction	08/02/2009
System Capacity Evaluation and a schedule for addressing any capacity deficiencies	Facilities Management	08/02/2009
Establish performance metrics for program evaluation	Facilities Management	08/02/2009
Program audit plan	Environmental Health and Safety Facilities Management	08/02/2009
Final SSMP	Environmental Health and Safety	08/02/2009

UCLA

Sewer System Management Plan (SSMP)

Development Plan and Schedule

Task	Responsibility	Date Due
SSMP Development Plan and Schedule	Environment, Health and Safety Facilities/Plumbing	11/02/2007
SSMP Goal Statement	Environment, Health and Safety	11/02/2007
Organization Structure, Responsibilities and Contact Information	Environment, Health and Safety	11/02/2007
Public notice of SSMP development	Environment, Health and Safety UCOP	11/02/2007
Overflow Emergency Response Plan	Environment, Health and Safety Facilities/Plumbing	05/02/2009
Description of procedures to prohibit illegal discharges and require proper system connections	Environment, Health and Safety Capital Programs Facilities/Plumbing	05/02/2009
Operation and Maintenance Program, to include: <ul style="list-style-type: none">• system map• PM program• training program• inspection program• equipment and parts inventory• rehabilitation and replacement program• capital improvement plan	Facilities/Plumbing	05/02/2009
Fat, oil and grease (FOG) control program	Housing, ASUCLA, Faculty Center, Hospital Environment, Health and Safety	05/02/2009
Design standards and specifications for new and replacement construction	Capital Programs with Facilities/Plumbing review	08/02/2009
System Capacity Evaluation and a schedule for addressing any capacity deficiencies	Capital Programs	08/02/2009
Establish performance metrics for program evaluation	Environment, Health and Safety Facilities/Plumbing	08/02/2009
Program audit plan	Environment, Health and Safety Facilities/Plumbing	08/02/2009
Final SSMP	Environment, Health and Safety Facilities/Plumbing	08/02/2009

UNIVERSITY OF CALIFORNIA, MERCED
Population served: 2,500 - 10,000

WDID: 5SSO10773

SSMP Development Plan & Schedule						
Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information	
Application for Permit Coverage	Submit Notice of Intent (NOI) to state identifying agency's authorized representative including required permit fee	11/2/2006	11/1/2006	Brad Samuelson Director, Environmental Affairs	209-228-4333 bsamuelson@ucmerced.edu	
SSO Electronic Reporting Program	Compliance with Monitoring & Reporting Program No. 2006-0003 using the CIWQS online database system	11/2/2006		Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu	
SSMP Development Plan & Schedule	Initial plan on developing & implementing SSMP	2/2/2008		Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu	
1.0 Goal	Stated Goals for SSMP	5/2/2008		Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu	
2.0 Organizational Structure*		5/2/2008		Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu	
Administrative & Organization Structure	Names & Staff positions responsible for developing & implementing the SSMP			Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu	
Chain of Communication	Chain of communication for SSO reporting			Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu	
3.0 Legal Authority*	Demonstration of Legal Authority to operate and maintain sewage collection system	11/2/2009		Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu	

Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
4.0 Operation & Maintenance Program*		11/2/2009		Sajid Mian Chief Plant Engineer Central Plant/Fac. Mgmt.	209-228-2970 smian@ucmerced.edu
Mapping	Current mapping of sewage collection system including			Sajid Mian Chief Plant Engineer	209-228-2970 smian@ucmerced.edu

* Components of the final SSMP

University of California, Merced

Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
	appropriate storm water systems			Central Plant/Fac. Mgmt.	
Preventative Maintenance Program	Written descriptions of Preventative Maintenance Activities			Sajid Mian Chief Plant Engineer Central Plant/Fac. Mgmt.	209-228-2970 smian@ucmerced.edu
Rehabilitation & Replacement Program	Short & Long term plan for rehabilitation or replacement including funding schedule			Sajid Mian Chief Plant Engineer Central Plant/Fac. Mgmt.	209-228-2970 smian@ucmerced.edu
Inspection Program	Program for regular visual and CCTV system inspection			Sajid Mian Chief Plant Engineer Central Plant/Fac. Mgmt.	209-228-2970 smian@ucmerced.edu
Staff Training	Operations & Maintenance staff training and training assurance			Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu
Equipment & Parts Inventory	Equipment & Parts inventory including identification of critical replacement parts			Sajid Mian Chief Plant Engineer Central Plant/Fac. Mgmt.	209-228-2970 smian@ucmerced.edu
5.0 Design & Performance*		5/2/2010		Tom Lollini Associate Vice Chancellor Physical Planning, Design & Construction	209-228-4475 tlollini@ucmerced.edu
Design Standards	Design standards for new & rehabilitated systems			Tom Lollini Associate Vice Chancellor Physical Planning, Design & Construction	209-228-4475 tlollini@ucmerced.edu
Inspection & Testing Standards	Inspection & testing standards for new & rehabilitated systems			Gary Knox Director, Construction Services PPD&C	209-228-4404 gknox@ucmerced.edu
Task	Comments	Due Date	Date Complete	Responsible Party	Contact Information
6.0 Overflow Emergency Response Program*	Written Procedures for response to SSOs	11/2/2009		Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu
7.0 Fats, Oils & Grease (FOG) Control Program*	Program to reduce or eliminate FOG related SSOs	11/2/2009		Kevin Creed Director, Environmental Health & Safety, and Sajid Mian, Chief Plant Engineer	209-228-4234 kcreed@ucmerced.edu 209-228-2970 smian@ucmerced.edu
8.0 System Evaluation & Capacity Assurance	Capitol Improvement Plan for hydraulic capacity including system evaluation for portions	8/2/2010		Tom Lollini Associate Vice Chancellor Physical Planning, Design &	209-228-4475 tlollini@ucmerced.edu

* Components of the final SSMP

University of California, Merced

Plan*	experiencing capacity related overflows.			Construction, and	
9.0 Monitoring, Measurement & Program Modifications	Maintain records, monitor and assess effectiveness of program; update as necessary	8/2/2010		Tom Atkins Director Facilities Management	209-228-4320 tatkins@ucmerced.edu
10.0 SSMP Audit Plan	Schedule of periodic SSMP audits, at least every two years	8/2/2010		Sajid Mian Chief Plant Engineer Central Plant/Fac. Mgmt.	209-228-2970 smian@ucmerced.edu
11.0 Communication Program		8/2/2010		Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu
Communications with Public & Agencies	Communication plan to public on development, implementation & performance; Plan of regular communication to satellite agencies			Kevin Creed Director, Environmental Health & Safety, and	209-228-4234 kcreed@ucmerced.edu
Final SSMP, incorporating all requirements	Final SSMP document after all elements developed & implemented.	8/2/2010		Patti Iestas Executive Director Communications	209-228-4483 pistas@ucmerced.edu
				Kevin Creed Director, Environmental Health & Safety	209-228-4234 kcreed@ucmerced.edu

* Components of the final SSMP

Task	Comments	Due Date	Date Complete	Responsible Party
SSMP Development Plan & Schedule	Initial plan on developing & implementing SSMP	11/2/2007		Environmental Health and Safety
1.0 Goal	Stated Goals for SSMP	11/2/2007		Environmental Health and Safety
2.0 Organizational Structure*		11/2/2007		Environmental Health and Safety
Administrative & Organization Structure	Names & Staff positions responsible for developing & implementing the SSMP	11/2/2007		Environmental Health and Safety
Chain of Communication	Chain of communication for SSO reporting	11/2/2007		Environmental Health and Safety
3.0 Legal Authority*	Demonstration of Legal Authority to operate and maintain sewage collection system	5/2/2009		Environmental Health and Safety
4.0 Operation & Maintenance Program*		5/2/2009		Physical Plant
Mapping	Current mapping of sewage collection system including appropriate storm water systems	5/2/2009		Physical Plant
Preventative Maintenance Program	Written descriptions of Preventative Maintenance Activities	5/2/2009		Physical Plant
Rehabilitation & Replacement Program	Short & Long term plan for rehabilitation or replacement including funding schedule	5/2/2009		Physical Plant
Inspection Program	Program for regular visual and CCTV system inspection	5/2/2009		Physical Plant
Staff Training	Operations & Maintenance staff training and training assurance	5/2/2009		Environmental Health & Safety
Equipment & Parts Inventory	Equipment & Parts inventory including identification of critical replacement parts	5/2/2009		Physical Plant
5.0 Overflow Emergency Response Program*	Written Procedures for response to SSOs	5/2/2009		Environmental Health & Safety
6.0 Fats, Oils & Grease (FOG) Control Program*	Program to reduce or eliminate FOG related SSOs	5/2/2008		Environmental Health & Safety

* Components of the final SSMP

Task	Comments	Due Date	Date Complete	Responsible Party
7.0 Design & Performance*		8/2/2009		
Design Standards	Design standards for new & rehabilitated systems	8/2/2009		Physical Plant
Inspection & Testing Standards	Inspection & testing standards for new & rehabilitated systems	8/2/2009		Physical Plant
8.0 System Evaluation & Capacity Assurance Plan*	Capitol Improvement Plan for hydraulic capacity including system evaluation for portions experiencing capacity related overflows.	8/2/2009		Physical Plant
9.0 Monitoring, Measurement & Program Modifications	Maintain records, monitor and assess effectiveness of program; update as necessary	8/2/2009		Environmental Health & Safety AND Physical Plant
10.0 SSMP Audit Plan	Schedule of periodic SSMP audits, at least every two years	8/2/2009		Environmental Health & Safety
11.0 Communication Program		8/2/2009		Environmental Health & Safety
Communications with Public & Agencies	Communication plan to public on development, implementation & performance; Plan of regular communication to satellite agencies	8/2/2009		Environmental Health & Safety
Final SSMP, incorporating all requirements	Final SSMP document after all elements developed & implemented.	8/2/2009		Environmental Health & Safety

* Components of the final SSMP

University of California Riverside SSMP Goal

- The goal of the UCR SSMP is to provide a plan and schedule to properly manage, operate, and maintain all parts of the sanitary sewer system. This will help reduce and prevent SSOs, as well as mitigate any SSOs that do occur.

SSMP Development Plan & Schedule

Task	Comments	Actions	Due Date	Date Complete	Responsible Party	Contact Information
Application for Permit Coverage	Submit Notice of Intent (NOI) to state identifying agency's authorized representative including required permit fee	NOI was submitted with fee.	11/2/2006	11/2/2006	Julie Hampel Division Manager, Environmental Affairs Environment, Health & Safety	858-534-1563 Julie.Hampel
SSO Electronic Reporting Program	Compliance with Monitoring & Reporting Program No. 2006-0003 using the CIWQS online database system	All SSOs are reported electronically by EH&S. "No spill" certifications are completed monthly when applicable by EH&S. Departments are surveyed monthly for Category 2 spill information.	01/2/2007	01/2/2007 and ongoing	Julie Hampel Division Manager, Environmental Affairs Environment, Health & Safety	858-534-1563 Julie.Hampel
SSMP Development Plan & Schedule	Initial plan on developing & implementing SSMP	A Clean Water Sewer System group is responsible for the completion and implementation of the plan. The group consists of members from Environment, Health and Safety (EHS); Facilities Management (FM); Campus Planning; Facilities, Design and Construction (FD&C); and Housing and Dining Services (HDS).	11/2/2007	10/25/2007	Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
1.0 Goal	Stated Goals for SSMP	Goals have been developed to include and meet the requirements of the WDR which is to provide a plan and schedule to properly, manage, operate and maintain all parts of the sanitary sewer system. This will help reduce and prevent SSOs, as well as mitigate any SSOs that do occur.	11/2/2007	11/2/2007	Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
2.0 Organizational Structure*			11/2/2007	10/25/2007	Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu

* Components of the final SSMP

SSMP Development Plan & Schedule						
Task	Comments	Actions	Due Date	Date Complete	Responsible Party	Contact Information
Administrative & Organization Structure	Names & Staff positions responsible for developing & implementing the SSMP	A flow chart with the, departments, positions and names of responsible parties has been created.	11/2/2007	10/25/2007	Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
Chain of Communication	Chain of communication for SSO reporting	An alert form with the names and phone numbers with individuals that need to be contacted for immediate response in the event of an SSO has been developed.	11/2/2007	10/25/2007	Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
3.0 Legal Authority*	Demonstration of Legal Authority to operate and maintain sewage collection system	The Regents of the University of California is a Constitutional Corporation with full authority over governance and management of the University operations. Under this authority, the University of California has the legal authority over the sanitary sewer system.	05/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
4.0 Operation & Maintenance Program*		Operations and maintenance to the sanitary sewer system is the responsibility of the UCSD FM department.	05/2/2009		Dave Weil Assistant Director Facilities Management	858-534-1778 dweil@ucsd.edu
Mapping	Current mapping of sewage collection system including appropriate storm water systems	GPS will be used to map all manholes, cleanouts, and pumping stations. The mapping is in AutoCAD format.	05/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
Preventative Maintenance Program	Written descriptions of Preventative Maintenance Activities	UCSD has measures in place to keep the system in good repair and prevent system failures. These include routine inspections and maintenance. Current procedures will be updated and included in the SSMP.	05/2/2009		Dave Weil Assistant Director Facilities Management	858-534-1778 dweil@ucsd.edu

* Components of the final SSMP

SSMP Development Plan & Schedule						
Task	Comments	Actions	Due Date	Date Complete	Responsible Party	Contact Information
Rehabilitation & Replacement Program	Short & Long term plan for rehabilitation or replacement including funding schedule	The current sewer system infrastructure of the campus will be evaluated and the information used to develop long-term planning. Short term planning will be on an as-needed-basis depending on information gathered during routine inspections and SSOs.	05/2/2009		Gary C. Matthews Assistant Vice Chancellor Auxiliary & Plant Services	858-534-6820 gcmatthews@ucsd.edu
Inspection Program	Program for regular visual and CCTV system inspection	CCTV will be performed on an annual basis, covering 35% of the system each year, resulting in the system being completely inspected every 3 years.	05/2/2009		David Weil Assistant Director Facilities Management	858-534-1778 dweil@ucsd.edu
Staff Training	Operations & Maintenance staff training and training assurance	A comprehensive training program will be developed by EH&S and FM. Periodic training will be held for staff responsible for responding to sewer spills. Technical training will be provided to the operators when new systems are installed.	05/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
Equipment & Parts Inventory	Equipment & Parts inventory including identification of critical replacement parts	A detailed inventory list of parts and equipment, including emergency pumps, lights, and generators will be developed. For repairs that require equipment beyond existing capabilities, contracts will be established with outside vendors.	05/2/2009		Dave Weil Assistant Director Facilities Management	858-534-1778 dweil@ucsd.edu
5.0 Design & Performance*			8/2/2009		Gerry White Assistant Director Engineering Services Facilities Design & Construction	858-534-2987 gwwhite@ucsd.edu
Design Standards	Design standards for new & rehabilitated systems	Current design standards used by FD&C will be evaluated and compared with industry standards.	8/2/2009		Gerry White Assistant Director Engineering Services Facilities Design & Construction	858-534-2987 gwwhite@ucsd.edu

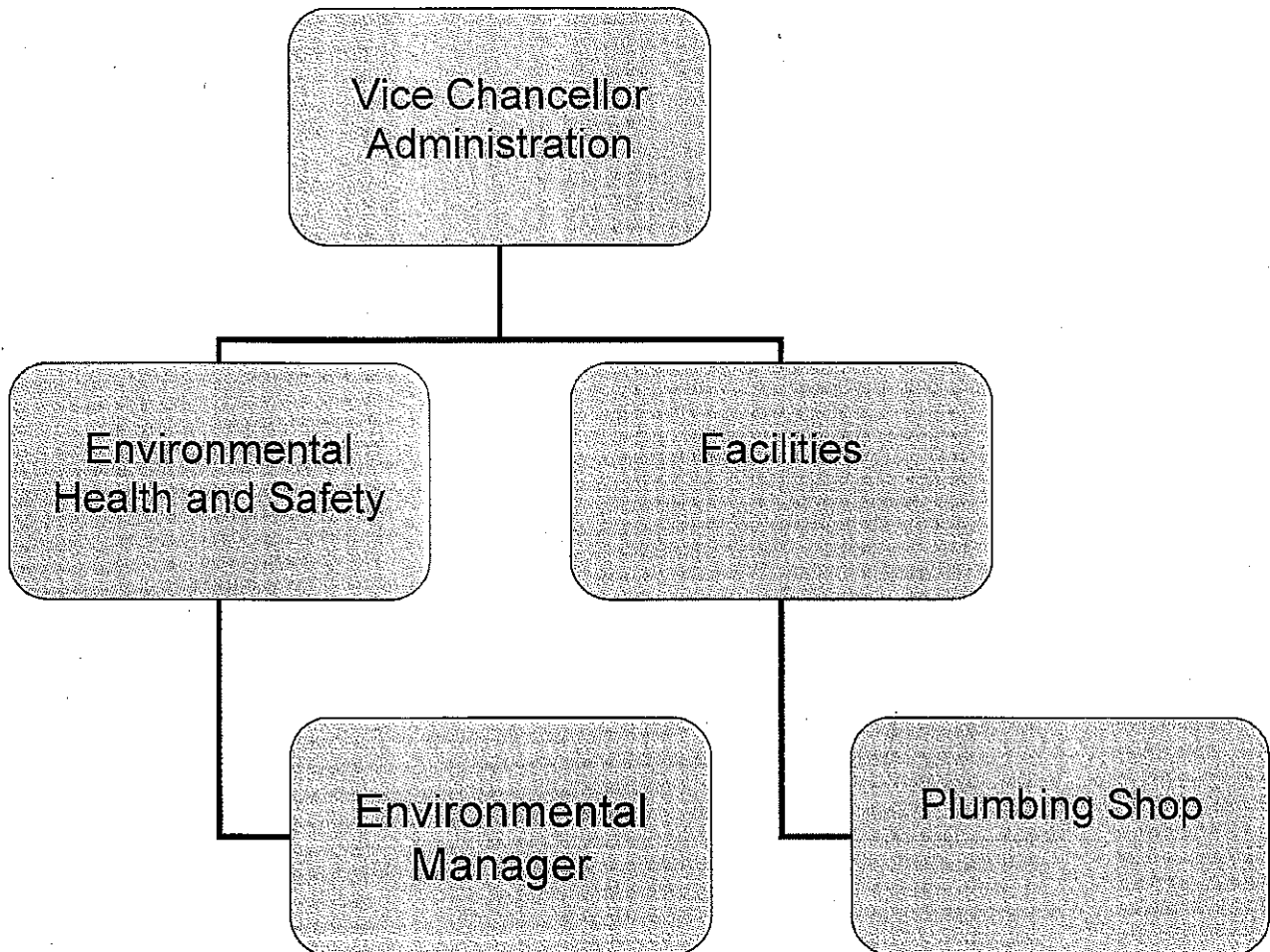
* Components of the final SSMP

SSMP Development Plan & Schedule						
Task	Comments	Actions	Due Date	Date Complete	Responsible Party	Contact Information
Inspection & Testing Standards	Inspection & testing standards for new & rehabilitated systems	Current inspection and testing standards used by FD&C will be evaluated and compared with industry standards.	8/2/2009		Anka Fabian Senior Civil Engineer Facilities Design & Construction	858-534-43813 anfavian@ucsd.edu
6.0 Overflow Emergency Response Program*	Written Procedures for response to SSOs	Current procedures for SSOs will be updated to meet requirements with the WDR, measures to protect public health and the environment will be established.	05/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
7.0 Fats, Oils & Grease (FOG) Control Program*	Program to reduce or eliminate FOG related SSOs	Historical FOG related SSOs, if any, will be used to develop a process to eliminate these discharges.	05/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
8.0 System Evaluation & Capacity Assurance Plan*	Capitol Improvement Plan for hydraulic capacity including system evaluation for portions experiencing capacity related overflows.	A system evaluation will be conducted to address expansion of the system.	8/2/2009		Boone Hellmann Associate Vice Chancellor Facilities Design & Construction	858-534-1992 bhellmann@ucsd.edu
9.0 Monitoring, Measurement & Program Modifications	Maintain records, monitor and assess effectiveness of program; update as necessary	The Clean Water Sewer System group will monitor the effectiveness and implementation of the SSMP. The group will use the information gathered during the biannual review to update program elements as appropriate.	8/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety AND Dave Weil Assistant Director Facilities Management	858-534-9695 vfanning@ucsd.edu 858-534-1778 dweil@ucsd.edu
10.0 SSMP Audit Plan	Schedule of periodic SSMP audits, at least every two years	A check list will be developed, covering all elements of the SSMP for use in a biannual audit program.	8/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu

* Components of the final SSMP

SSMP Development Plan & Schedule						
Task	Comments	Actions	Due Date	Date Complete	Responsible Party	Contact Information
11.0 Communication Program			8/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
Communications with Public & Agencies	Communication plan to public on development, implementation & performance; Plan of regular communication to satellite agencies	A public notice in the local newspaper will occur at the development stage and at the completion stage of the plan. A website will be created where the plan sections and final plan will be posted. Regular communications will take place with the City of San Diego MWWD.	8/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu
Final SSMP, incorporating all requirements	Final SSMP document after all elements developed & implemented.	The final SSMP will be posted on the UCSD website and will be available for audit by the SWRCB.	8/2/2009		Valerie Fanning Environmental Compliance Environmental Affairs Environment, Health & Safety	858-534-9695 vfanning@ucsd.edu

Organization Chart for the UCSC SSMP



Responsibilities for the UCSC SSMP

The names and phone numbers (*note this will be general office number*) of persons currently fulfilling the positions listed below is included in Attachment "x". Attachment "x" shall be reviewed and if necessary updated at least annually.

- Legally Responsible Official:
 - Vice Chancellor Administration or
 - Director Physical Plant or
 - Environmental Programs Manager

- Vice Chancellor Administration:
 - Approves SSMP,
 - Establishes policy and
 - Allocates program resources

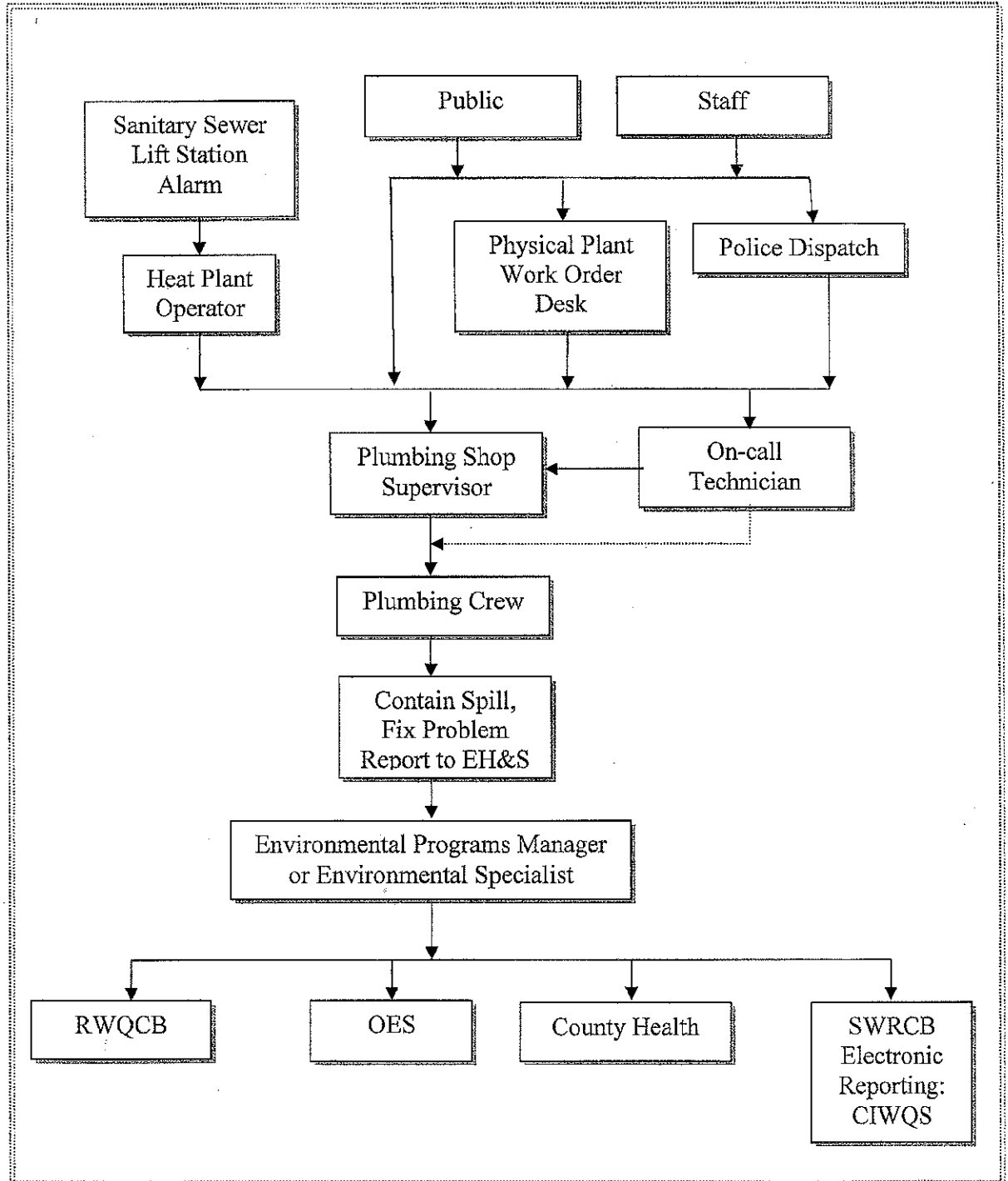
- Director Physical Plant:
 - FOG disposal
 - System Evaluation and Capacity Assurance Plan / Capital Improvement Plan including,
 - hydraulic capacity evaluation
 - Capacity Enhancement Measures
 - Schedule
 - Design and construction standards and specifications for sewer systems including FOG measures; and
 - Procedures and standards for inspecting and testing the installation of new and rehabilitated sewer systems

- Supervisor Plumbing Shop:
 - Sanitary sewer system map
 - Routine preventive operation and maintenance activities
 - Primary responder for SSOs
 - Rehabilitation and replacement plan to identify and prioritize system deficiencies including
 - regular visual and TV inspections of manholes and sewer pipes and
 - ranking system for scheduling rehabilitation
 - Staff training in sanitary sewer system operations and maintenance, and require contractors to be appropriately trained; and
 - Equipment and replacement part inventories
 - In collaboration with EH&S audits SSMP implementation

- Director Environmental Health & Safety:
 - All regulatory notifications and communications;
 - Communicates with downstream agency

- Environmental Manager
 - FOG education and outreach;
 - FOG inspections;
 - In collaboration with Plumbing Shop audits SSMP implementation.
 - Collaborates with PIO on public communications

Sanitary Sewer Overflow (SSO) Chain of Communications for the UCSC SSMP



UC Santa Cruz Sewer System Management Plan Development Plan and Schedule

Task	Responsibility	Date Due
Sewer System Management Plan Development Plan and Schedule	Environmental Health and Safety Physical Plant	11/02/2007
Sewer System Management Plan Goal Statement	Environmental Health and Safety	11/02/2007
Organization Structure, Responsibilities and Contact Information	Environmental Health and Safety	11/02/2007
Public notice of Sewer System Management Plan development	Environmental Health and Safety	11/15/2007
Overflow Emergency Response Plan	Environmental Health and Safety Fire Physical Plant	05/02/2009
Description of procedures to prohibit illegal discharges and require proper system connections	Environmental Health and Safety	05/02/2009
Operation and Maintenance Program, to include: <ul style="list-style-type: none"> • system map, • PM program, • training program, • inspection program • equipment and parts inventory • rehabilitation and replacement program • capital improvement plan 	Physical Plant Physical Planning & Construction	05/02/2009
Fat, oil and grease (FOG) control program	Environmental Health and Safety Physical Plant	05/02/2009
Design standards and specifications for new and replacement construction	Physical Planning & Construction	08/02/2009
System Capacity Evaluation and a schedule for addressing any capacity deficiencies	Physical Planning & Construction/Physical Plant	08/02/2009
Establish performance metrics for program evaluation	Physical Plant	08/02/2009
Program audit plan	Environmental Health and Safety Physical Plant	08/02/2009
Final Sewer System Management Plan	Environmental Health and Safety	08/02/2009

**University of California
Kearney Research and Extension Center
Sewer System Management Plan (SSMP)**

Development Plan and Schedule

Task	Responsibility	Date Due
SSMP Development Plan and Schedule	Environmental Health and Safety Physical Plant	May 2, 2008
SSMP Goal Statement	Environmental Health and Safety	May 2, 2008
Organization Structure, Responsibilities and Contact Information	Environmental Health and Safety	May 2, 2008
Public notice of SSMP development	Environmental Health and Safety	May 2, 2008
Overflow Emergency Response Plan	Environmental Health and Safety Physical Plant	Feb. 2, 2010
Description of procedures to prohibit illegal discharges and require proper system connections	Environmental Health and Safety	Feb. 2, 2010
Operation and Maintenance Program, to include: <ul style="list-style-type: none"> • system map, • PM program, • training program, • inspection program • equipment and parts inventory • rehabilitation and replacement program • capital improvement plan 	Physical Plant	Feb. 2, 2010
Fat, oil and grease (FOG) control program (NA at this time)	Environmental Health and Safety	Feb. 2, 2010
Design standards and specifications for new and replacement construction	Physical Plant	Aug. 2, 2010
System Capacity Evaluation and a schedule for addressing any capacity deficiencies	Physical Plant	Aug. 2, 2010
Establish performance metrics for program evaluation	Physical Plant	Aug. 2, 2010
Program audit plan	Environmental Health and Safety Physical Plant	Aug. 2, 2010
Final SSMP	Environmental Health and Safety	Aug. 2, 2010

I endorse the above schedule.

Date

Oct 19 2007

Fred Swanson, Director
Kearney Research and Extension Center