

ELEMENT 6. OVERFLOW EMERGENCY RESPONSE PLAN

This SSMP element describes the City's Overflow Emergency Response Plan (OERP) for its wastewater collection system and sewer lift stations as required for the OERP Element of the WDRs. The major items discussed in this element are as follows:

- Regulatory Requirements
- Chain of Communication
- Response Program
- Regulatory Reporting
- Training/Awareness
- Traffic and Crowd Control
- Impact Mitigation

REGULATORY REQUIREMENTS

The City shall develop and implement an OERP that identifies measures to protect public health and the environment. At a minimum, this plan must include the components listed in Table 6-1.

Table 6-1. Overflow Emergency Response Plan Requirements

WDR Paragraph Number	Description of Requirement	Required Component
D.13.(vi)	Overflow Emergency Response Plan	Each Enrollee shall develop and implement an overflow emergency response plan that identifies measures to protect public health and the environment. At a minimum, this plan must include the following:
D-13-vi(a)	Chain of Communication	Proper notification procedures so that the primary responders and regulatory agencies are informed of all SSOs in a timely manner.
D-13-vi(b)	Response Program	A program to ensure an appropriate response to all overflows.
D-13-vi(c)	Regulatory Reporting	Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities (e.g. health agencies, Regional Water Boards, water suppliers, etc.) of all SSOs that potentially affect public health or reach the waters of the State in accordance with the MRP. All SSOs shall be reported in accordance with this MRP, the California Water Code, other State Laws, and other applicable Regional Water Board WDRs or NPDES permit requirements. The SSMP should identify the officials who will receive immediate notification.
D-13-vi(d)	Training/Awareness	Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Emergency Response Plan and are appropriately trained.
D-13-vi(e)	Traffic and Crowd Control	Procedures to address emergency operations, such as traffic and crowd control and other necessary response activities.
D-13-vi(f)	Impact Mitigation	A program to ensure that all reasonable steps are taken to contain and prevent the discharge of untreated and partially treated wastewater to waters of the United States and to minimize or correct any adverse impact on the environment resulting from the SSOs, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the discharge.

CHAIN OF COMMUNICATION

The City has a Chain of Communication for SSO events per Exhibit 2-C of Element II. This includes complaints or other reports of SSOs received during regular business hours and after hours, including calls from other City staff. As a component to the chain of communication, the Public Works Department (PWD) provides a monthly Public Works Callout List to several City of Vacaville departments which lists primary contact information for 24-hour coverage. Refer to Exhibit 2-C.1 of Element II for an example of the Public Works Callout List.

The Chain of Communication shows the sequence of actions and responses that staff from the Public Works Maintenance Division shall follow after receiving notification of SSOs or potential SSOs from various sources, including citizens, Police Department/Fire Department Dispatch Center, and Utilities Department.

As a complementary flowchart to guide Public Works Maintenance Division's "first responders", the SSMP Manager maintains and provides a Regulatory SSO Flowchart, included as Exhibit 6-A, which incorporates the notification, reporting, and monitoring requirements by the WDR's and the NPDES Permit. The flowchart is the first sheet of the Overflow Emergency Response Plan to be discussed further in this element.

Potential SSOs can be identified by the Utilities Department's lift station alarms where either SCADA alarms or autodialer alarms automatically alert Utilities Department staff. Per the Chain of Communication, Utilities Department's staff shall call the primary 24-hour contact for SSOs or potential SSOs. If the primary contact is unavailable, UD staff shall call the PW Stand-by cell phone. Detailed procedures shall be included in the updated Lift Station Emergency Response Plan.

The Chain of Communication includes decision making for Public SSO versus Private Lateral Sewer Discharge, submittal of draft SSO report into CIWQS, volume estimation verification, and certification of SSO by primary or secondary LRO.

RESPONSE PROGRAM

The City has an Overflow Emergency Response Plan (OERP) for the sewer collections system that identifies staff, procedures, equipment, and supplies necessary for responding to SSOs. The cover sheet and table of contents of the OERP are included as Exhibit 6-B. PWD Maintenance Division is primarily responsible for maintaining and executing the City's OERP, which includes responsibility for containing, cleaning, and reporting SSOs. These documents contain procedures and strategies for specific aspects of SSO emergency situations, including communications, impact mitigation, volume estimation, problem solving, and regulatory reporting.

PWD Maintenance Division owns and operates equipment and supplies that are located at the Corporation Yard. The division has a fully stocked spill response trailer, spill kits in each field utilities vehicle, a jetter truck, three combination trucks, two fully stocked television trucks, two backhoes, and replacement pipes and appurtenances. Please refer to Exhibit 6-D for additional equipment. For large SSO events, the PW Maintenance Division maintains a list, refer to Exhibit 6-E, of contractors and vendors that can assist with larger emergencies.

The Utilities Department is currently updating a Lift Station Emergency Response Plan (LSERP) that identifies staff, procedures, equipment, and supplies necessary for responding to potential on-site SSOs. The draft cover sheet and table of contents is included as Exhibit 6-C. The foremost responsibility of UD Operations staff shall be to return the lift station to normal operation, therefore only simple mitigation procedures that can be completed with minimal effort shall be included in the Emergency Response Plan. In addition to describing the procedures for responding to lift station alarms and equipment malfunctions, the plan will include portable equipment set-up templates and detailed sequence for by-pass connection or generator connection.

UD owns and operates portable pumping and portable power generation equipment that are located at the Easterly Wastewater Treatment Plant. The existing equipment, comprised of four portable pumps and two portable generators, are in process of being replaced due to air quality regulations. The most current equipment list in addition to critical Supervisory Control and Data Acquisition (SCADA) components for lift stations is included as Exhibit 6-F. A new portable pump meeting the most current air quality requirements has been approved for purchase. UD staff is recommending that in the next couple of years, another portable pump and another portable generator be purchased to maintain emergency coverage. UD maintains a list, included as Exhibit 6-E, of contractors and vendors that can assist with additional emergency equipment.

The Overflow Emergency Response Plan (OERP) and the Lift Station Emergency Response Plan (LSERP) are updated frequently, therefore the documents are only referenced in the SSMP. Copies of both documents are available at the Utilities Department Administration Building.

REGULATORY REPORTING

As discussed above, the City has a detailed Regulatory SSO Flowchart which became effective September 9, 2013 and was revised November 29, 2018. The flowchart combines both the required California Integrated Water Quality System (CIWQS) general permit online reporting information for all Category 1, 2, and 3 SSOs and Private Lateral Sewage Discharges (PLSDs) and additional Central Valley Regional Water Quality Control Board (CVRWQCB) notification requirement for all SSOs over 100 gallons as required by the NPDES Easterly Permit. The most current Monitoring and Reporting Program requirements are attached to the first section of the current OERP.

Public Works Maintenance Division, as first responders to SSO events, are the initial CIWQS reporters and volume estimators. The first responders include PW Supervisors registered as LROs and PW Leads as Data Submitters. For 2019, four PW Leads will be assigned as Data Submitters, but will only be registered with the State after appropriate training is completed. Volume estimation shall be verified by either PWD or UD before certification. The SSO event shall be certified, primarily by the UD Director, but other LRO's shall function as secondary or back-up certifiers. The UD SSMP Manager or designee reviews, logs, and monitors all final CIWQS and CVRWQCB reports/notifications.

TRAINING/AWARENESS

The City is developing procedures to ensure that appropriate staff are trained on and follow the OERP and LSERP. Although the PW Maintenance Division and the Utilities Department each have

separate emergency response plans, both departments shall be provided with awareness training to familiarize both departments with each other's plans to improve SSO prevention, mitigation, and response measures. Additional training opportunities will be considered from entities such as, the California Sanitation Risk Management Authority, the California Joint Powers Risk Management Authority, the California Water Environment Association, and DKF Solutions Group.

Maintenance Division Training

PW Maintenance Division provides training for its staff on SSO emergency response and reporting activities consisting of practice drills, "tailgate training," and on-the-job training. Documentation of overflow emergency response and reporting training shall be available at Utilities Department, but will also be on file at the PW Maintenance Division main office. The most recent training completed in 2017-2018 was "SSMP Overflow Emergency Response Plan", "CIWQS Data Submitter and Legally Responsible Official (LRO)", and "Hands-on Volume Estimation" which were coordinated with DKF Solutions. In addition, the majority of Maintenance staff have some form of California Water Environment Association (CWEA) Certification. Staff is required to obtain and maintain Collection Systems Maintenance Grade I, II, or III certificates.

Utilities Department Training

UD training shall consist of tailgate training and on-the-job training based on the updated LSERP. In addition, it is the intent to provide awareness training to UD staff in SSMP and SSO topics such as "Pump Station Emergency Response Plans: A Commonly Overlooked SSMP Requirement" through CSRMA. Department section supervisors are responsible for scheduling and providing emergency training and for documenting and filing records of training. Documentation of overflow emergency response and reporting training shall be available at Utilities Department.

Contractor Awareness Training

The OERP includes a Contractor Orientation section to address SSO spill caused or witnessed by a Contractor working on emergency projects. The section is superseded by Project Plans and Specifications. The Project Specifications and Plans along with the executed Contract define the responsibilities of the contractor in conducting safety procedures and in addressing emergency situations. If a non-emergency project, such as a CIP, requires by-pass pumping plans or there is a risk of a sewer spill, the Project Plans and Specifications shall require submittals of the plan or work sequence and shall be reviewed and approved by both PWD and UD.

TRAFFIC AND CROWD CONTROL

The Maintenance Division, as primary responders, implements the California Manual Uniform Traffic Control Devices (CA MUTCD), as required by Caltrans for traffic control for SSO events.

This CA MUTCD can be downloaded from Caltrans' internet site:

http://www.dot.ca.gov/hq/traffops/engineering/mutcd/ca_mutcd2012.htm. The City of Vacaville Police Department is notified for assistance with crowd control issues.

IMPACT MITIGATION

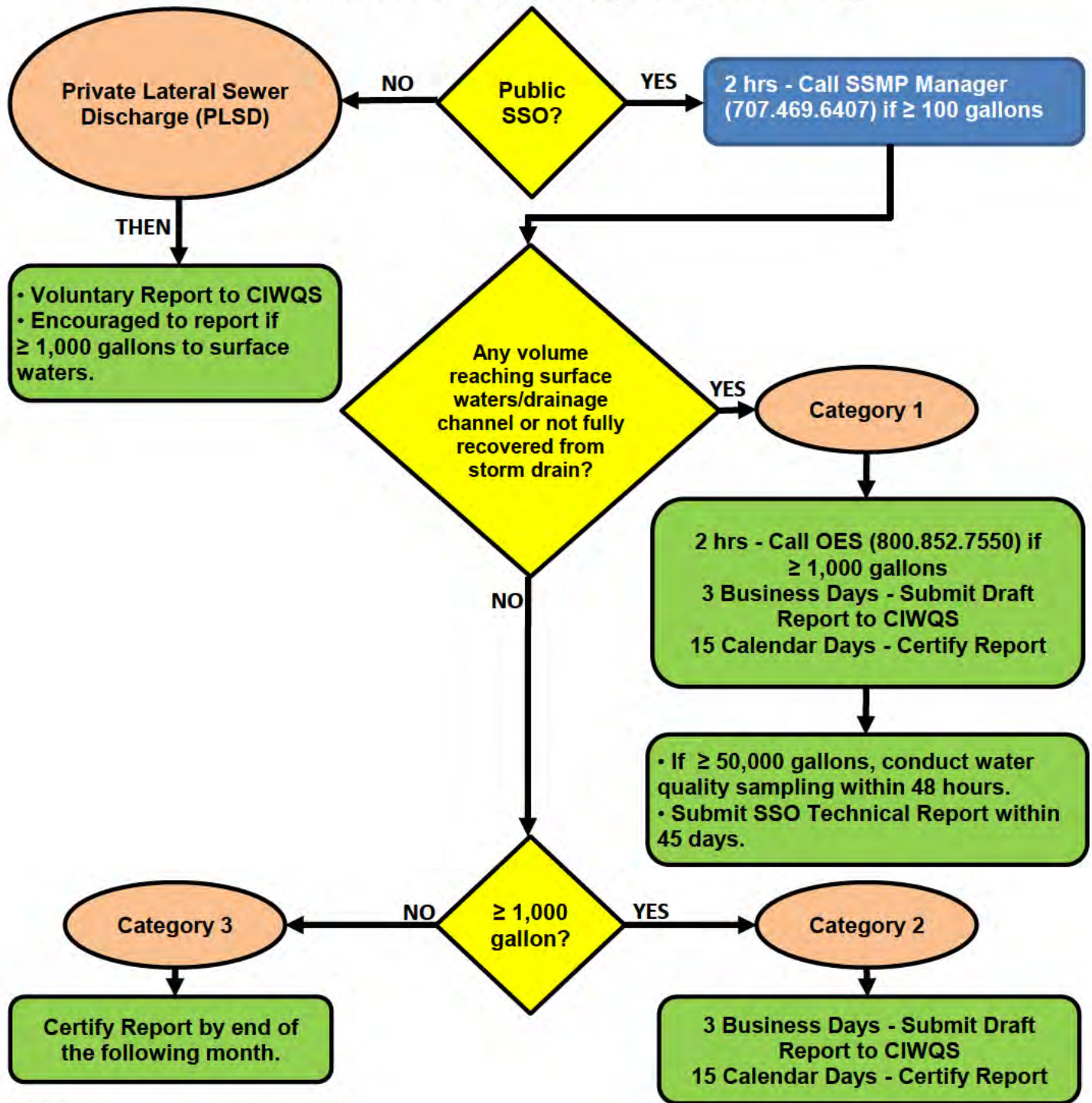
The City's OERP is the basis for impact mitigation procedures. The procedures include the response activities of containment, cleanup, and corrective actions to prevent future occurrences. PWD Maintenance Division is responsible for emergency response and cleanup of SSOs within the City of Vacaville collection system boundaries. The Maintenance Division is tasked with preventing and mitigating discharges from entering surface waters.

The OERP includes procedures for water quality sampling if SSOs reach surface waters. Included in the document is a flowchart and instructions for sampling and testing along with a chain of custody form. Sampling is performed by PWD Maintenance Division staff using an SSO Creek Sampling Kit and tested by Utilities Easterly Wastewater Treatment Plant Water Quality staff (lab). The Utilities Department operates a water quality laboratory certified by the California State Environmental Laboratory Accreditation Program (ELAP). The Lab has staff, equipment, and procedures for collecting and analyzing water body samples during an SSO events. PWD Maintenance Division staff takes samples for all Category 1 spills regardless of volume. For all SSOs reaching surface waters in which 50,000 gallons or greater, PWD Maintenance Division staff will take initial samples. Laboratory staff will follow by conducting water quality sampling within 48 hours and test for, at minimum, ammonia and fecal coliform.

EXHIBIT 6-A

Regulatory SSO Flow Chart (Revised 011718)

Notification, Reporting, & Monitoring



Notes:

1. Private Lateral Sewer Discharge (PLSD) reporting is voluntary to CIWQS. No certification is required.
2. *No Spill Certification* to CIWQS within 30 days of the end of the month in which no SSO occurred.
3. **SSMP Manager to email centralvalleysacramento@waterboards.ca.gov all SSOs ≥ 100 gallons within 24 hours and submit written report 5 calendar days if ≥ 10,000 gallons.**
4. Retain all record keeping for 5 years.
5. City of Vacaville will voluntarily sample all SSOs reaching surface waters (creeks, channels) within 48 hours during daylight at a safe access point.

Regulatory SSO Flow Chart (Revised 011718)

Notification, Reporting, & Monitoring

Cont'd

CATEGORY 1	<p>Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee's sanitary sewer system failure or flow condition that:</p> <ol style="list-style-type: none">1) Reach surface water and/or reach a drainage channel tributary to a surface water; or2) Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin.
CATEGORY 2	<p>Discharges of untreated or partially treated wastewater of 1,000 gallons or greater resulting from an enrollee's sanitary sewer system failure or flow condition that do not reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly.</p>
CATEGORY 3	<p>All other discharges of untreated or partially treated wastewater resulting from an enrollee's sanitary sewer system failure or flow condition.</p>
PRIVATE LATERAL SEWAGE DISCHARGE (PLSD)	<p>Discharges of untreated or partially treated wastewater resulting from blockages or other problems within a privately owned sewer lateral connected to the enrollee's sanitary sewer system or from other private sewer assets. PLSDs that the enrollee becomes aware of may be voluntarily reported to the California Integrated Water Quality System (CIWQS) Online SSO Database.</p>
NOTIFICATION	<p>Call Cal OES at (800) 852-7550 within two hours of becoming aware of any Category 1 SSO greater than or equal to 1,000 gallons discharged to surface water or spilled in a location where it probably will be discharged to surface water, notify the California Office of Emergency Services (CalOES) and obtain a notification control number.</p>
REPORTING	<p>Category 1 SSO: Submit draft report within 3 business days of becoming aware of the SSO and certify within 15 calendar days of SSO end date.</p> <p>Category 2 SSO: Submit draft report within 3 business days of becoming aware of the SSO and certify within 15 calendar days of the SSO end date.</p> <p>Category 3 SSO: Submit certified report within 30 calendar days of the end of month in which SSO the occurred.</p> <p>SSO Technical Report: Submit within 45 calendar days after the end date of any Category 1 SSO in which 50,000 gallons or greater are spilled to surface waters.</p> <p>"No Spill" Certification: Certify that no SSOs occurred within 30 calendar days of the end of the month or, if reporting quarterly, the quarter in which no SSOs occurred.</p>
WATER QUALITY MONITORING	<p>Conduct water quality sampling within 48 hours after initial SSO notification for Category 1 SSOs in which 50,000 gallons or greater are spilled to surface waters and upload results into CIWQS.</p>

EXHIBIT 6-B

City of Vacaville

Overflow Emergency Response Plan



Effective Date: January 17, 2018

Revised Date: January 5, 2018

Approved by: Miguel Medina, EIT

Signature: _____

Date: _____

Prepared by David Patzer, DKF Solutions Group
(707) 373-9709 dpatzer@dkfsolutions.com

Copyright © 2004-2018 DKF Solutions Group, LLC. All rights reserved.

Table of Contents

A. Regulatory Notifications

Regulatory Reporting Guide **A-1**
 Category 1 SSO Reporting Checklist..... -2a
 Category 2 and 3 SSO Reporting Checklist..... -2b

B. Sanitary Sewer Overflow/Backup Binder

SSO/Backup Response Instructions Checklist **B-1**
 Backup Response Flowchart -2
 Overflow Response Flowchart -3
 Bubbled Toilets Letter -4
 Declination of Sewage Cleaning Services -5
 Manager or Supervisor Follow Up Form -6
 Lodging Authorization Form -7
 Sewer Overflow Report -8
 Volume Estimation Methods -9
 Eyeball Estimation -9a
 Area/Volume Ponded Sewage -9b
 Area/Volume Contained in Storm Drain -9c
 Area/Volume Contained in a Pipe or Partial Pipe -9d
 Sewage Contained in a Roadway Gutter -9e
 Upstream Lateral Connections -9f
 Backup Claims Submittal Checklist -10
 Collection System Post Failure Analysis -11
 Customer Service Packet
 Instructions envelope
 Customer Information CS-1
 Sewer Spill Reference Guide pamphlet
 Door Hanger
 Public Posting

C. Sanitary Sewer Overflow Creek Sampling Kit

Sanitary Sewer Overflow Creek Sampling Instructions **C-1**
 Procedures for Sampling -1
 Sample Collection Chain of Custody Record -2
 SSO Sampling Sign for Lab Refrigerator -3

D. Contractor Orientation

EXHIBIT 6-C



*City of Vacaville Utilities Department
Lift Station Emergency Response Plan*



City of Vacaville Utilities Department

Lift Station

Emergency Power and Bypass Pumping Response Plan

Introduction

The City of Vacaville Utilities Department owns and operates a total of seven (7) sewer lift stations. Four (4) of the lift stations have onsite back up emergency generators. Three (3) lift stations do not have onsite back up emergency generators and would rely on portable generators in case of an emergency. The lift stations are well maintained and normally should not experience an outage or the need for an emergency pump around. However, the possibility exists that unforeseen accidents, power outages, equipment failure or other events not controllable by the Utilities Department could result in potential sewer overflow or spills at the lift stations. This Plan is designed to prevent or diminish any SSO related to a lift station failure.

Scope of Emergency Response Plan

The Plan contains detailed information needed to:

- Comply with all requirements of the SSMP (Sewer System Management Plan) for:
 - Providing emergency backup power supply to the lift stations
 - Augment the pumping capacity of a lift station if it is out of service or partially disabled

Facility	Location	Page
Allison Lift Station	4970 Allison Parkway, Vacaville	Page 3
B Street Lift Station	B Street at Vaca Station Road, Elmira	Page 7
Brown Street Lift Station	300 Brown Street, Vacaville	Page 10
Grandview Lift Station	450 Grandview Drive, Vacaville	Page 21
Horse Creek Lift Station	1803 East Monte Vista Avenue	Page 26
Leisure Town Lift Station	Leisure Town Road at Sequoia Drive	Page 32
Vaca Valley Lift Station	South of Kaiser, North of I-80	Page 38

EXHIBIT 6-D

Public Works Emergency Equipment and Materials
May 2019

Item	Quantity	Location
Combination Trucks	3	Corp Yard
Rodder Cart	3	Corp Yard
Service Truck	1	Corp Yard
2" Trash Pump w 100' discharge / 40' Suction Hose	1	Corp Yard
3" Trash Pump w 220' Discharge / 25' Suction Hose	1	Corp Yard
Forklift	1	Corp Yard
Ten Wheel Dump Truck	2	Corp Yard
Backhoe With Trailer	2	Corp Yard
Yard Loader	1	Corp Yard
Pickup w/ containment kits	12	Corp Yard
Hazmat Trailer w/ inventory	1	Corp Yard
4" SDR26 Pipe	200' varies	Corp Yard
6" SDR26 Pipe	100' varies	Corp Yard
8" SDR26 Pipe	100' varies	Corp Yard
10" SDR26 Pipe	24' varies	Corp Yard
12" SDR26 Pipe	24' varies	Corp Yard
15" SDR26 Pipe	14' varies	Corp Yard
6" Clay	0' varies	Corp Yard
12" Clay	0' varies	Corp Yard
Repair couplings from 4" to 18" *	Min 2 ea.	Corp Yard
Hydro Flushing Truck	1	Corp Yard
CCTV Trucks	2	Corp Yard

Clay to Clay, Clay to PVC, Reducing Couplings. PVC Slip by Slip couplings
Note : GAPVAX as an emergency combination unit when needed.

EXHIBIT 6-E

By Pass Pumping Companies

PSC

395 W. Channel Rd, Benicia Ph, 1-707-476-8287
Eric Halben Cell, 1-707-333-0097

Rain for Rent

390 West Kentucky, Woodland Ph. 1-530-662-1024, Fax. 1-530-662-1030
1808 East Mariposa, Stockton Ph, 1-209-466-5602 Fax. 1-209-466-2601

Equipment Rental Companies

Aaction Rents

28 Union Way, Vacaville, Ph, 1-707-359-2575

Cresco Equipment Rentals

5170 Fulton Dr, Fairfield Ph, 1-707-863-7504
245 Cresco Ct, Santa Rosa Ph, 1-707-588-7434

Hertz Rental Equipment

Store 9748, 5251 Industrial Way, Benicia Ph, 1-707-747-4444
Store 9726, 30 South Buchanan Cir, Pacheco, Ph, 1-925-680-0316
Store 9730, 901 Stillwater Rd, West Sacramento, Ph, 1-916-372-2266
Store 9745, 2400 San Pablo Dam Rd, San Pablo, Ph, 1-510-307-4444
Store 9743, 1731 Lakeville Highway, Petaluma, Ph, 1-707-762-4444

Holt of California

2121 E Monte Vista Ave, Vacaville, Ph, 1-707-455-7600 Fax, 1-707-455-7676, 1-888-381-9940
224 N East St. Woodland, Ph, 1-530-662-8612
2950 Colusa Highway Yuba City, Ph, 1-530-755-3363 Fax, 1-530-755-3370, 1-877-558-3363
1521 W Charter Way, Stockton, 1-209-466-6000 Fax, 1-209-467-4658, 1-800-347-4658
1105A Airport Way, Rio Vista, Ph, 1-707-374-7550, Fax 1-707-374-7560, 1-800-736-8228
10000 Industrial Ave, Roseville, Ph, 1-916-772-9600, Fax, 1-916-772-7721, 1-800-736-8228

United Rentals

1865 Tanen St, Napa, Ph, 1-707-255-1066, Fax 1-707-255-1266
1204 Sunset Dr, Antioch, Ph, 1-925-757-7900, Fax, 1-925-757-6761
9062 Union Park Way, Elk Grove, Ph, 1-916-685-7368, Fax, 1-916-685-7259
8565 Elder Creek Rd, Sacramento, Ph 1-916-383-7475, Fax, 1-916-383-6375

Material Supply Companies

Ferguson / Cal Steam

2151 East Monte Vista Ave, Vacaville, Ph, 1-707-452-1052 Fax, 1-707-452-0844
1955 Huntington Ct, Fairfield, Ph, 1-707-437-2470 Fax, 1-707-437-1485
2112 Loveridge Rd, Pittsburg, Ph, 1-925-432-7375 Fax, 1-925-432-6011
3924 Franklin Blvd, Sacramento, Ph, 1-916-456-5478 Fax, 1-916-456-7328
510 Sunbeam Ave, Sacramento, Ph, 1-916-553-4018 Fax, 1-916-553-4022
8200 Ferguson Ave, Sacramento, Ph, 1-916-388-2333 Fax, 1-916-388-2364
8732 Fruitridge Rd, Sacramento, Ph, 1-916-381-6100 Fax, 1-916-381-7445

Groeniger

4130 S. Moorland Ave, Santa Rosa, Ph, 1-707-586-3333, Fax, 1-707-584-8289
7601 14th Ave, Sacramento, Ph, 1-916-455-3333, Fax, 1-916-455-3402
99 Yosemite St, Roseville, Will Call & Yard @ 300 Tahoe Ave. Ph, 1-916-782-3333, Fax, 1-916-783-3773

R&B Company

2180 Enterprise Ave. Sacramento, CA. 95691, Phone: 916.375.1361, Fax: 916.375.1933

Contractor Assistance

PSC

395 W. Channel Rd, Benicia, Phone: 1-707-746-8287
Eric Halben Cell, 1-707-333-0097

Roto-Rooter, Phone: 1-707-429-5151

ABC Plumbing

7699 Hartley Rd, Vacaville, CA 95688 Phone: (707) 452-1364

MC Dixon, Inc.

17205 Black Oak Hill Dr. Middletown, Ph, 1-707-257-2016 or 1-707-251-8905, 1-707-322-0912 Cell

Lister Construction

896 Aldridge Rd Ste B, Vacaville, CA 95688, Phone: (707) 451-2813

H & R Plumbing

4221 Appian Way, El Sobrante CA 94803, Phone: (510) 222 5556

Residential & Commercial Cleaning Services

Sierra Pacific Loss Management

1210 Cuttings Wharf Rd, Napa, CA 94559, Emergency 1-800-413-2999; Phone: (707) 252-5525

EXHIBIT 6-F

Utilities Department Emergency Equipment and Materials May-19
--

Item	Model	Quantity	Location	Equip. No.
6" Trash Pumps	Gorman-Rupp 1200gpm T6A3-F4L-A	3	EWWTTP	PMP-94.13 (Veh. 531), PMP-94.14(Veh. 532), PMP-94.15 (Veh. 569)
6" Hose		~300 LF	EWWTTP	
Portable Generator	John Deere 80 bhp	1	EWWTTP	GEN-94.15
Portable Generator	Cummins 82 bhp	1	EWWTTP	GEN-94.16
Light Tower (4 light collapsible)		1	EWWTTP	
Misc Pipe Spooler		1	EWWTTP	
Shelf spares for PLC catastrophic failure recovery at lift stations:				
	CompactLogix PLC 17496-L32E	1	EWWTTP	
	PLC5/40 (Series E, Revision D or later)	1	EWWTTP	
	Ethernet Interface Module 1785-ENET/B	1	EWWTTP	
	Tesco Liquitronic panel	1	EWWTTP	
Shelf-spares for the EWWTTP diversion gates PLC:				
	Micrologix 1200	1	EWWTTP	