Santa Ana Watershed Project Authority

Inland Empire Brine Line
Overflow Emergency Response Plan (OERP)

February 2013

Winter 2012 OERP Updated by:
Santa Ana Watershed Project Authority

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Section 1
Introduction

1.1 Background and Purpose

In May 2006, the SWRCB adopted Order No. 2006-0003, Statewide General Waste Discharge Requirements for Sanitary Sewer Systems (WDR). Order No. 2006-0003 was superseded by Order No. 2008-0002-EXEC on February 2008. All federal and state agencies, municipalities, counties, districts, and other public entities that own or operate sanitary sewer systems greater than one mile in length and that collect and/or convey untreated or partially treated wastewater to a publicly owned treatment facility in the State of California are required to comply with the terms of this Order. The principal requirement of the WDR is for each system owner to develop and implement a system-specific Sewer System Management Plan (SSMP). One element of the SSMP requirements is an Overflow Emergency Response Plan (OERP).

This OERP is intended to provide the Santa Ana Watershed Project Authority (SAWPA) and its member agencies with emergency response procedures should an overflow occur in the Inland Empire Brine Line (Brine Line), the portion of the Santa Ana Regional Interceptor (SARI) which is owned by SAWPA. This is a living document, intended to be updated annually or more frequently if there is a need based on regulatory changes or modifications within the Brine Line system.

This document supersedes the Inland Empire Brine Line Emergency Response Plan (ERP) (SAWPA 2012) for San Bernardino and Riverside Counties, which was created to provide emergency response procedures should a general emergency and/or failure occur in the Brine Line. While this OERP is intended to be a standalone document focused on emergency response protocol for sewer overflow events.

The OERP is also intended to meet the requirements of the National Incident Management System (NIMS). The NIMS provides a nationwide approach to incident management, integrating best management practices. Six major components comprise the approach including Command and Management, Preparedness, Resource Management, Communications and Information Management, Supporting Technologies, and Ongoing Management and Maintenance.

1.2 Project Scope

The scope of this project included the following major tasks:

- Collect sources of information currently available from SAWPA.
- Conduct workshops and meetings with SAWPA staff to develop OERP.
- Prepare an OERP that meets SSMP and NIMS requirements.

1.3 Plan Objective

The following sections will provide the emergency responder with specific information and tools that may be used to:

- Meet the requirements of the WDR, including emergency response, notification, and staff training;
- Understand key Brine Line sanitary sewer overflow (SSO) mechanisms;
- Understand the consequences associated with a Brine Line SSO;
- Identify, assess, and mitigate a Brine Line SSO emergency;
- Meet overflow reporting and record keeping requirements; and
- Consider requirements of NIMS.

1.4 Overflow Emergency Response Plan Organization

This report consists of six sections and appendices. Each section is briefly described below:

Section 1 – Provides the background and purpose of the project, project scope, plan objective, and the organization of the report.

Section 2 – Provides a description of the project area and sanitary sewer system, describes system hydraulics, identifies potential SSO mechanisms, and identifies regulatory elements required by the WDR.

Section 3 – Provides information on overflow emergency response procedures, including communication procedures, impact mitigation and containment procedures, emergency operations, and resources.

Section 4 – Provides SSO reporting procedures.

Section 5 – Provides requirements for record keeping and certification.

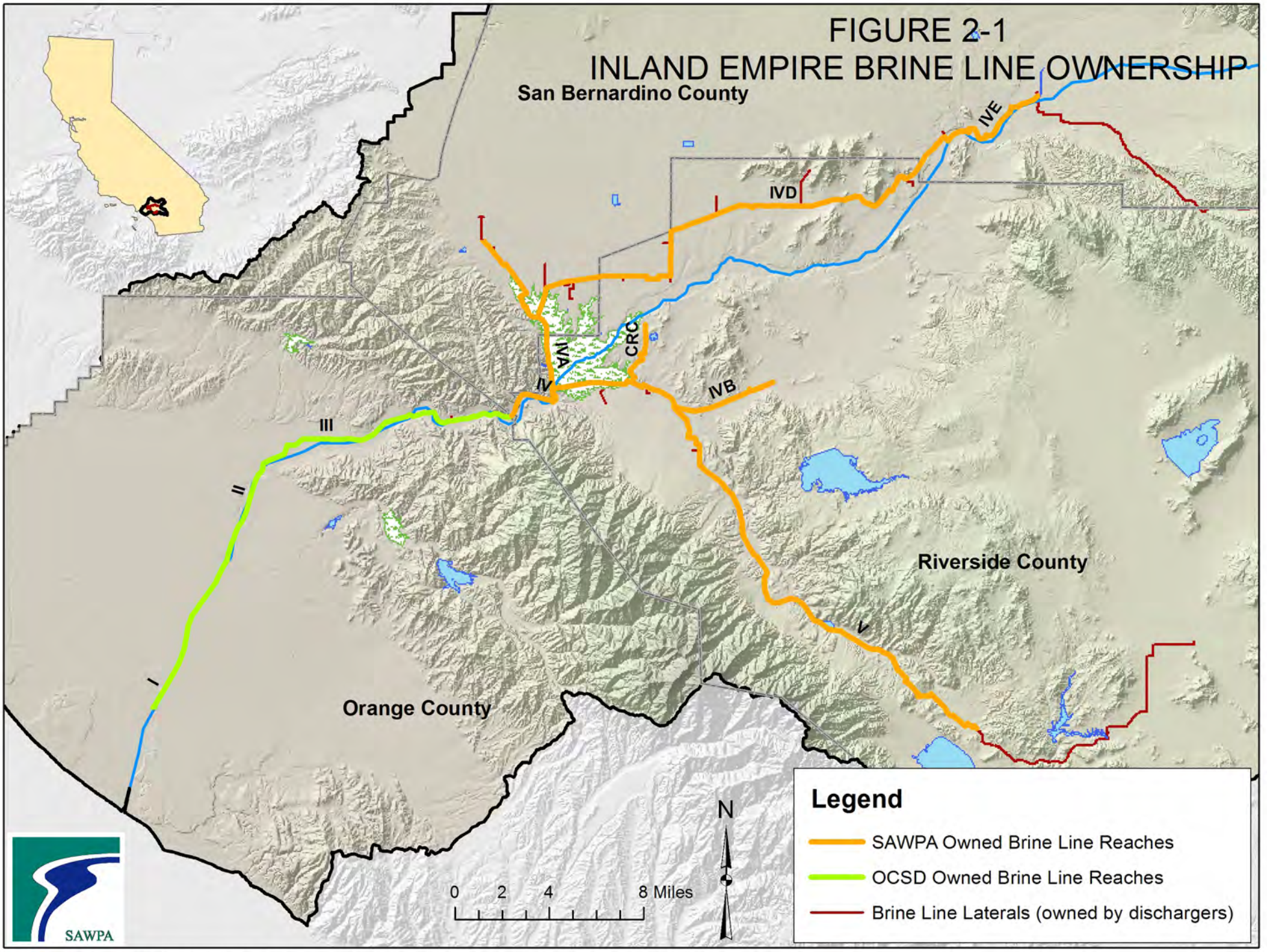
Section 6 – Provides information on training and follow-up plans.

Section 2
System Description and Regulatory Environment

2.1 Project Area and System Description

SAWPA owns either capacity rights in, or owns outright approximately 93 miles of 16" to 84" pipeline referred to as the Brine Line, running through San Bernardino, Riverside, and Orange Counties as provided in Figure 2-1. The Brine Line system includes those reaches that are upstream of the Orange County Sanitation District service area: Reaches IV, IV-A, IV-B, IV-D, IV-E, and V. The total length of these upstream reaches is approximately 72 miles. They are operated primarily by the Western Municipal Water District (WMWD), except for a portion of Reach IV-A, which is operated by the Inland Empire Utilities Agency (IEUA), and the Pressure Sustaining Station, operated by WMWD, as shown in Figure 2-2. Reaches IV, IV-A, IV-B, IV-D, and IV-E include approximately 49 miles of gravity pipeline ranging from 16 to 48-inches. Pipeline materials include polyvinyl chloride (PVC) pipe, reinforced concrete pipe (RCP) with PVC lining, ductile iron (DI) pipe, vitrified clay pipe (VCP), high density polyethylene pipe (HDPE), PVC lined reinforced concrete pressure pipe (RCPP), concrete encased steel pipe, and cement mortar lined and coated (CMLC) steel pipe. Reach V is a low-pressure force main approximately 23 miles long, and is constructed of PVC and HDPE pipeline ranging in diameter from 24 to 30-inches. The system also has a number of inverted siphons, some long, which may contribute to SSO risk.

The member agencies of SAWPA are San Bernardino Valley Municipal Water District (SBVMWD), Eastern Municipal Water District (EMWD), the Orange County Water District (OCWD), IEUA, and WMWD. In addition, SAWPA works closely with other agencies, such as the Orange County Sanitation District (OCSD), Jurupa Communities Services District (JCSD), and the City of Corona Department of Water and Power (DWP). Because most users of the Brine Line are permitted primarily by member agencies, the emergency protocol of the appropriate member agency should be used to supplement the emergency procedures established in this OERP. Member agency emergency protocols include IEUA's Sanitary Sewer Overflow Unified Response Guidance Plan, WMWD's Emergency Response and Recovery Plan, and EMWD's Standard Operating Procedure for Brine Leaks. Should a SSO occur along the portion of the Lower SARI owned and operated by OCSD (Orange County border, at Green River Golf Course, to SAVI Ranch, at Weir Canyon Road), emergency protocols from OCSD's SARI Emergency Response Plan (ERP) (CDM, 2004) should be used.



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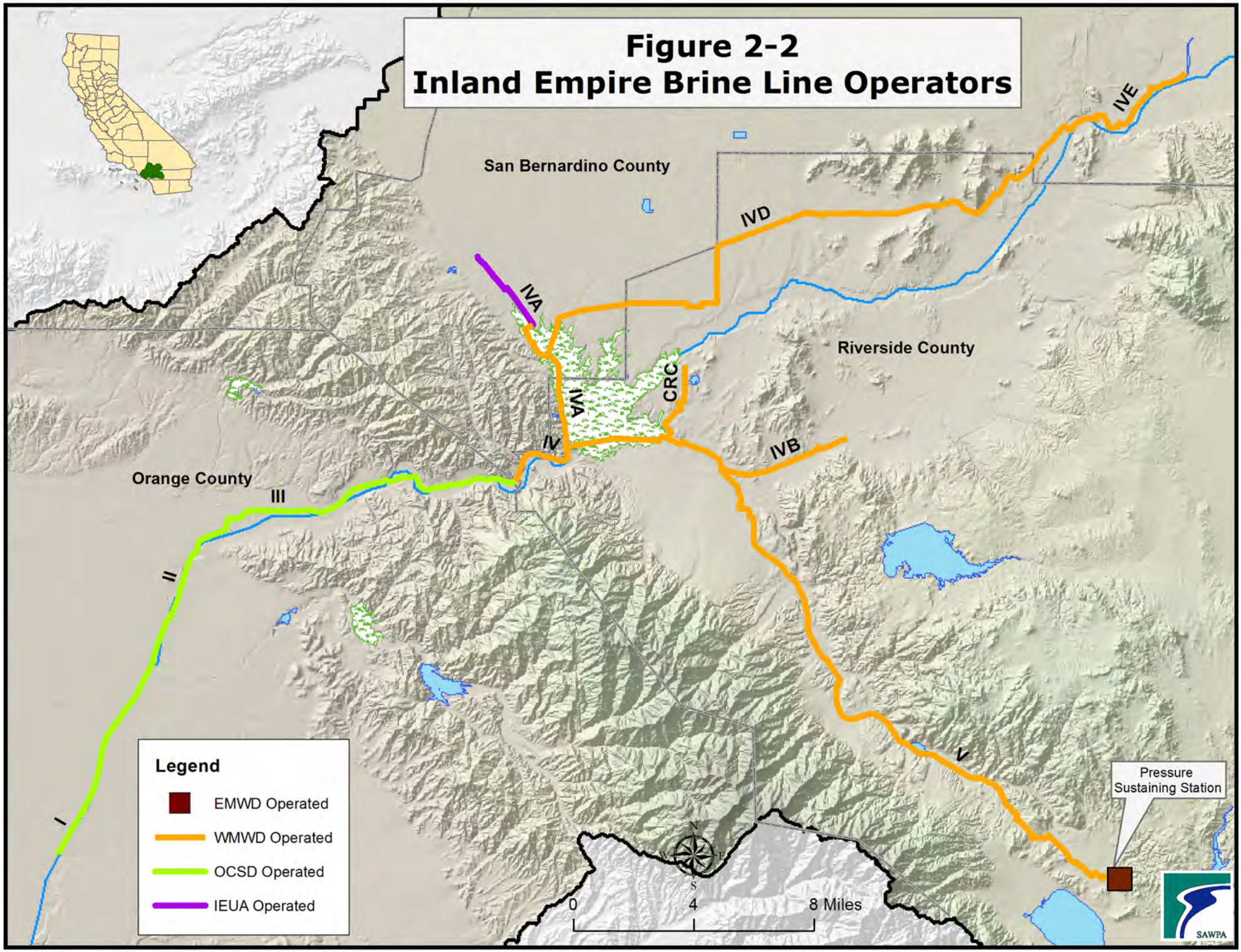

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Dischargers to the Brine Line reaches consist of desalters, industrial dischargers, failsafe connections, domestic dischargers, and indirect dischargers. Of these, the six desalters constitute the majority of the effluent volume in the Brine Line. Since the Brine Line effluent is primarily brine, a SSO has the potential for unique impacts. This unique nature of the Brine Line effluent also requires unique SSO emergency response procedures for SAWPA and member agencies.

2.2 System Hydraulics

Due to the influence of the desalting and industrial facilities, the Brine Line does not experience the typical diurnal flow pattern of a domestic wastewater system. The Brine Line generally operates in either a high or low flow mode. The high flow period occurs when the desalting facilities are discharging at peak production (typically during the summer and/or periods of warm weather), and the low flow occurs when they are discharging at low production or are off-line (typically during the winter and/or periods of cool weather). The volume of flow contributed by non-desalter dischargers does not appear to have a significant effect on the system flow pattern. Figure 2-3 shows the Brine Line flow pattern as observed at the Riverside/Orange County line.

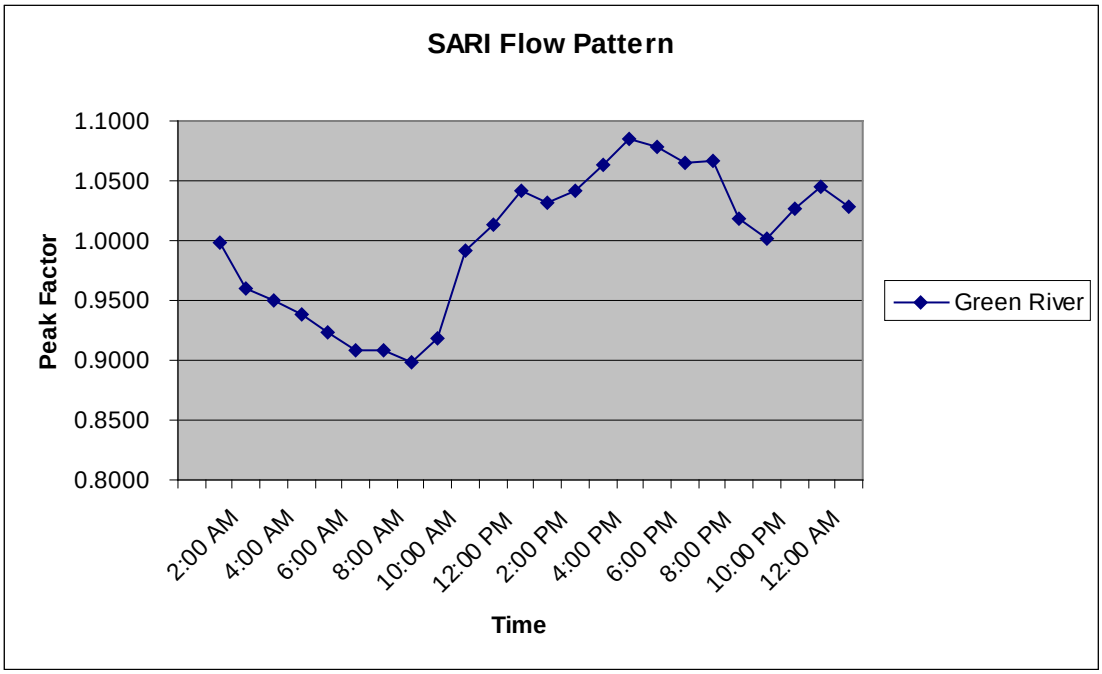


Figure 2-3. Brine Line Flow Pattern as observed at the Green River Portable Flow Meter

Table 2-1 summarizes the average discharges to each Brine Line reach, recorded during the month of August 2011, including domestic, commercial, industrial, desalter and municipal discharges. Complete discharger data for average and cumulative flows for this time period is available in Appendix A.

Table 2-1
Average Flows to Brine Line Reaches,
August 2011

Reach	Flow (MGD)
IV[1]	12.6
IV-A (upper, IEUA area)	0.433
IV-A (lower) [2]	6.523
IV-B[3]	6.018
IV-D[4]	6.090
IV-E	0.556
V	2.553

[1]Includes flows from all Reaches

[2]Includes flows from Reaches IV-D, IV-E, and IV-A (upper)

[3]Includes flows from Reach V

[4]Includes flows from Reach IV-E

SAWPA evaluated the capacity of the Brine Line in the January 2006 Brine Line Hydraulic Model and Capacity Assessment (Kennedy/Jenks Consultants)[Updated by SAWPA in 2012].

2.3 Potential Sanitary Sewer Overflow Mechanisms

An SSO is the release of wastewater from a sanitary sewer system. SSOs include discharges of wastewater, either to public or private property outside of the sanitary sewer system. SSOs are caused by blockages, vandalism, contractor error or unusual flow conditions in the sanitary sewer system, whether or not the release reaches the waters of the United States. Backups of privately owned laterals are not considered SSOs unless sewage flows onto public property, such as streets or storm drains, and then only if it is caused by the public sanitary sewer system.

SSOs are also violations of the Federal Clean Water Act (CWA) if they contact waters of the United States, and therefore may be subject to federal enforcement actions.

SSOs can impair the beneficial uses of surface waters, including aquatic life, drinking water supply, body contact and non-contact recreation, and aesthetics. Groundwater beneficial uses, such as drinking water and agricultural supply, can also be affected.

SSOs are considered a nuisance if they meet the following requirements:

- Injurious to health, indecent or offensive to the senses, or obstructing the free use of property so as to interfere with the comfortable enjoyment of life or property;

- Affect an entire community, neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal;

The primary Brine Line SSO mechanism may be damage caused by contractors and equipment. Other mechanisms that cause SSOs include: root, grease and debris

blockages; sewer line flood damage; seismic damage; manhole structure failure; vandalism; pump station failure or wastewater treatment plant mechanical failure; a power outage; excessive stormwater or groundwater inflow and infiltration; insufficient capacity; increased loading conditions; and, operator error. Age of the system, construction materials, adequate and appropriate facilities, operations and maintenance, source control measures, geology, design, and population growth are all factors that can affect the likelihood of an SSO occurrence.

2.3.1 Seismic Considerations

Many known and unknown, potentially active faults are located within the general area of the Brine Line. These faults have the capability to produce significant ground accelerations which may result in a break and/or failure, and may cause an SSO from the Brine Line. In particular, Reach V runs approximately parallel to the Elsinore fault zone, which runs in a northwest/southeast orientation just south of the City of Corona. This pipeline segment may be high risk for failure due to an earthquake event. The Brine Line also crosses the Yorba Linda fault line in Orange County. Table 2-2 provides information on locations where known faults cross the Brine Line. Figure 2-4 shows the location of these locations.

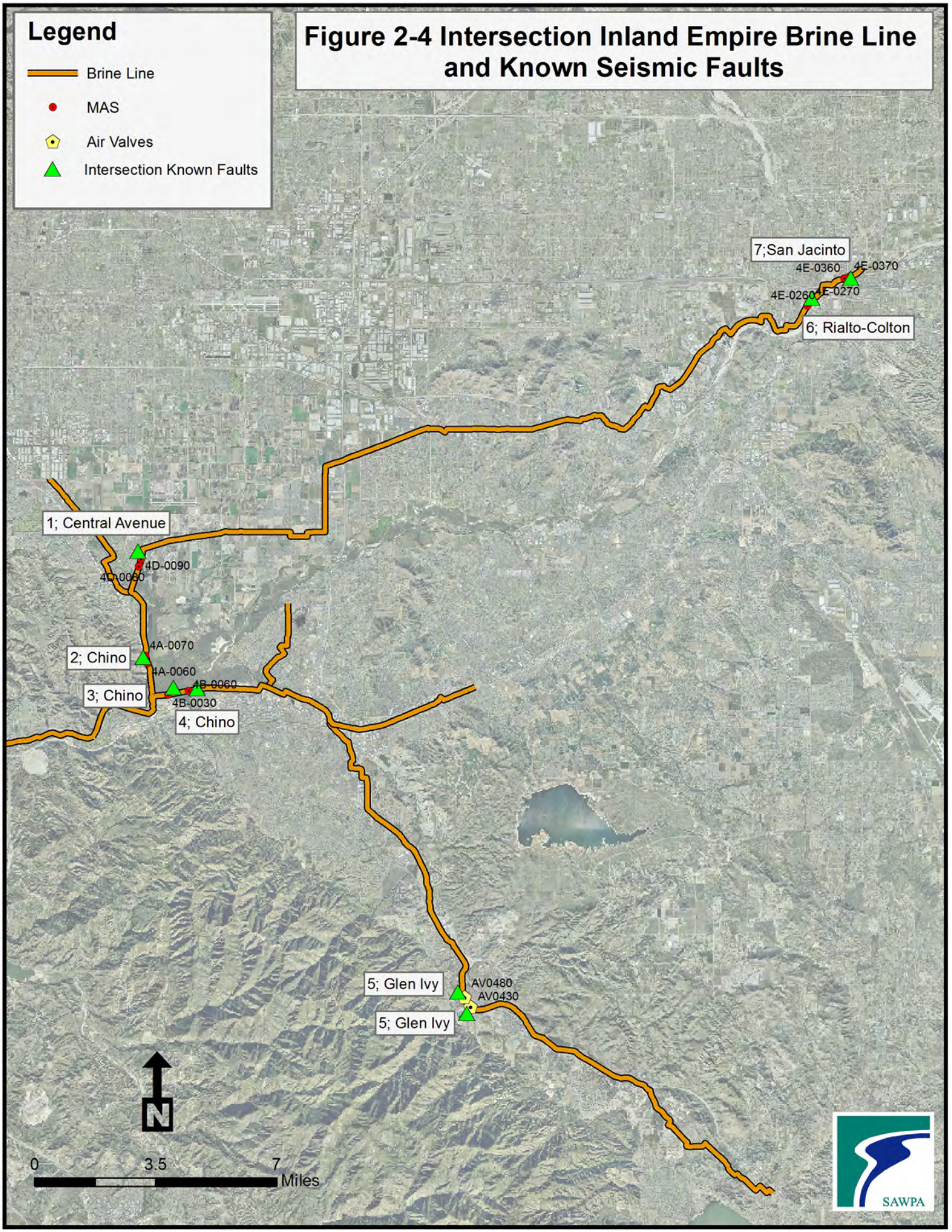
While there is no certainty whether a seismic event will occur along known faults, the information presented in Table 2-2 provides a guide of locations where the Brine Line should be monitored in case of major seismic events. As a general rule, the Brine Line should be monitored when a minimum 3.0 earthquake epicenter is located within 1 mile of the Brine Line. For information regarding earthquakes in the Brine Line area, including magnitude, please see http://earthquake.usgs.gov.

Table 2-2 Location of Major Earthquake Faults in Relationship to the Brine Line

ID	Fault	Location	
		From MAS	To MAS
1	Central Avenue	4D-0090	4D-0080
2	Chino	4A-0070	4A-0060
3	Chino	4B-0060	4B-0030
4	Chino	4B-0060	4B-0030
5	Glen Ivy	AV 430	AV 480
5	Glen Ivy	AV 430	AV 480
6	Rialto-Colton	4E-0270	4E-0260
7	San Jacinto	4E-0370	4E-0360

2.3.2 Increased Loading Conditions from Prado Reservoir and Dam

A portion of the Brine Line is located in the floodplain of the Prado Dam. The U.S. Army Corps of Engineers (USACE) is currently constructing a project to raise Prado Dam. Once completed, the potential increased surface water elevation in Prado Reservoir during a flood event will create additional burden on Reaches IV-A and IV-B. Should there be a failure in portions of Reaches IV-A and IV-B that lie beneath Prado Reservoir, it is likely that high flood water flows could potentially cause an SSO event at unsealed manholes downstream of Prado Dam. As part of the Prado Dam project, two knife gate valves have been installed on Reaches IV-A and IV-B just downstream of Prado Dam to mitigate this impact issue. If a break is confirmed in portions of Reaches IV-A and IV-B that lie beneath Prado Reservoir, these gates would be closed to prevent further potential spillage in the Lower SARI Reaches.



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2.4 Sanitary Sewer Management Plan Required Elements

The WDR states that "an SSMP must contain a spill response plan that establishes standard procedures for immediate response to an SSO in a manner designed to minimize water quality impacts and potential nuisance conditions."

This OERP is intended to identify the required measures to protect public health and the environment. This OERP meets the intent of the WDR by including the following items:

- Proper notification procedures so that the primary responders and regulatory agencies are informed of all SSOs in a timely manner;
- A program that ensures an appropriate response to all overflows;
- Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities (e.g. County 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 State Water Resources Control Board's (SWRCB) WDR Monitoring and Reporting Program (MRP). All SSOs shall be reported in accordance with this OERP, the California Water Code, other State Law, and other applicable Regional Water Board WDRs or National Pollutant Discharge Elimination System (NPDES) permit requirements. The SSMP identifies the officials who will receive immediate notification;
- Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Emergency Response Plan and are appropriately trained;
- Procedures to address emergency operations, such as traffic and crowd control and other necessary response activities; and
- 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.

2.5 Project planning activities

Prior to undertaking any field activities which could increase the risk of an SSO (such as excavation near or around the Brine Line, potholing, etc.) a site visit is recommended to identify existing storm drains, location of potential containment areas, and drainage patterns (if possible). A site-specific sketch should be prepared indicating the work area and any other features identified as part of the site visit. Appendix N has a sample sketch.

Section 3
Emergency Response Plan

3.1 Overview of Overflow Emergency Response Plan

The Brine Line OERP is intended to identify what constitutes a Brine Line SSO and to define emergency procedures for responding to an overflow event. The OERP must include an organization chart with specific contact information, notification and communication plans, impact mitigation and containment procedures, emergency operations, and vendor, supplier, and response contractor lists, as described in the following sections.

3.2 Santa Ana Watershed Project Authority Overflow Emergency Response Plan Organization

Figure 3-1 provides key Brine Line ERP contacts within the SAWPA organization as well as its five member agencies. Key contact names and telephone numbers are provided for SAWPA and each member agency. The NIMS Incident Command System organizes response in terms of a command element and subsequent section elements such as operations and finance. Within each section element is a designated section chief responsible for organizing and assuring the execution of the appropriate response within each section element's area of expertise.

3.2.1 System Responsibility

SAWPA contracts operation of the Brine Line system to EMWD, IEUA, and WMWD. Figure 2-2 shows the limits of responsibility of the operation of the Brine Line system. During emergency situations, the agency assigned for responsibility will take the lead in response to any SSOs. EMWD responsibility is limited to the Pressure Sustaining Station. IEUA is responsible for operation and response to any emergencies upstream of Brine Line Maintenance Access Structure 4A-0390. WMWD is responsible for the remainder of the system. This assignment of responsibility does not preclude, however, any of the agencies in providing any assistance during SSOs in any portion of the Brine Line system.

3.3 Notification and Response Procedures

Figure 3-2 contains a flow chart showing the communications protocols that should be followed in the event of an SSO. Internal communications will occur when SAWPA or one of its member agencies receives a report that an SSO has occurred.

Once an SSO report is received, SAWPA is to notify internal agencies such as SBVMWD, IEUA, WMWD, and EMWD. If the SSO is confirmed by field verification (usually through the use of a TDS/Conductivity meter), external agencies, including the Office of Environmental Safety, the Regional Water Quality Control Board (RWQCB), the Riverside County Department of Public Health, and the San Bernardino County

Department of Public Health should be contacted. Note that internal notification responsibilities within Figure 3-2 may shift amongst SAWPA and its member agencies as communication will vary based upon which agency receives the initial report.

During a Brine Line SSO, SAWPA may also temporarily suspend industrial and desalter discharges to reduce the total flow in the Brine Line. This practice would assist in minimizing the size and number of required bypass pumping operations. Appendix B contains current contact names and telephone numbers for all industrial and desalter permit holders as of winter 2011, organized by Member Agency and Brine Line reach. SAWPA continually updates this database electronically. Should the Brine Line SSO warrant such action, Member Agencies will be responsible for using this database to contact individual permit holders within their service areas to inform them of the temporary discharge suspension. However, SAWPA has developed an emergency telephone tree (Appendix J) to expedite contact with all dischargers in case a system-wide shutdown is required.

The direct user discharge permit contains a requirement that the permittee shall provide SAWPA with a list containing the names and phone numbers of contacts who can be reached 24 hours a day in the event of an emergency with a Brine Line discharge. The contact list must be updated biannually (February and August.) A list of contacts for the Brine Line dischargers is provided in Appendix B.

Figure 3-3 provides the SSO Response Procedure and defines the necessary actions and procedures once a spill occurs. Response and notification procedures vary depending upon the ownership of the infrastructure and from where the SSO originates. When spills are reported, a response crew must be dispatched to verify and contain the spill. Once the spill has been contained, responsible parties are notified of the occurrence and an incident report or online field report must be prepared. Documentation of the SSO and the contaminated area should include photographs, measurements, and sampling, if appropriate. Mitigation may include bypass pumping, repairs, clean up and disinfection, and post-event monitoring. If the event originates from the SAWPA owned portion of the Brine Line, the Regional Board must be notified and draft and final online reports must be filed.

SAWPA's pollution insurance requires notification of an SSO if a claim will be submitted. A notice must be sent via fax or via e-mail. The 24 Hour Emergency Response Hotline should be contacted as well. All contact information can be found in Figure 3-2.

In addition, SAWPA has recently joined both the Emergency Response Network of the Inland Empire (ERNIE) and CalWARN, both are regional emergency response networks. Both ERNIE and CalWARN provide resources from member agencies to assist during emergencies.

Figure 3-1

SAWPA Overflow Emergency Response Plan
Command & Management Organization Chart

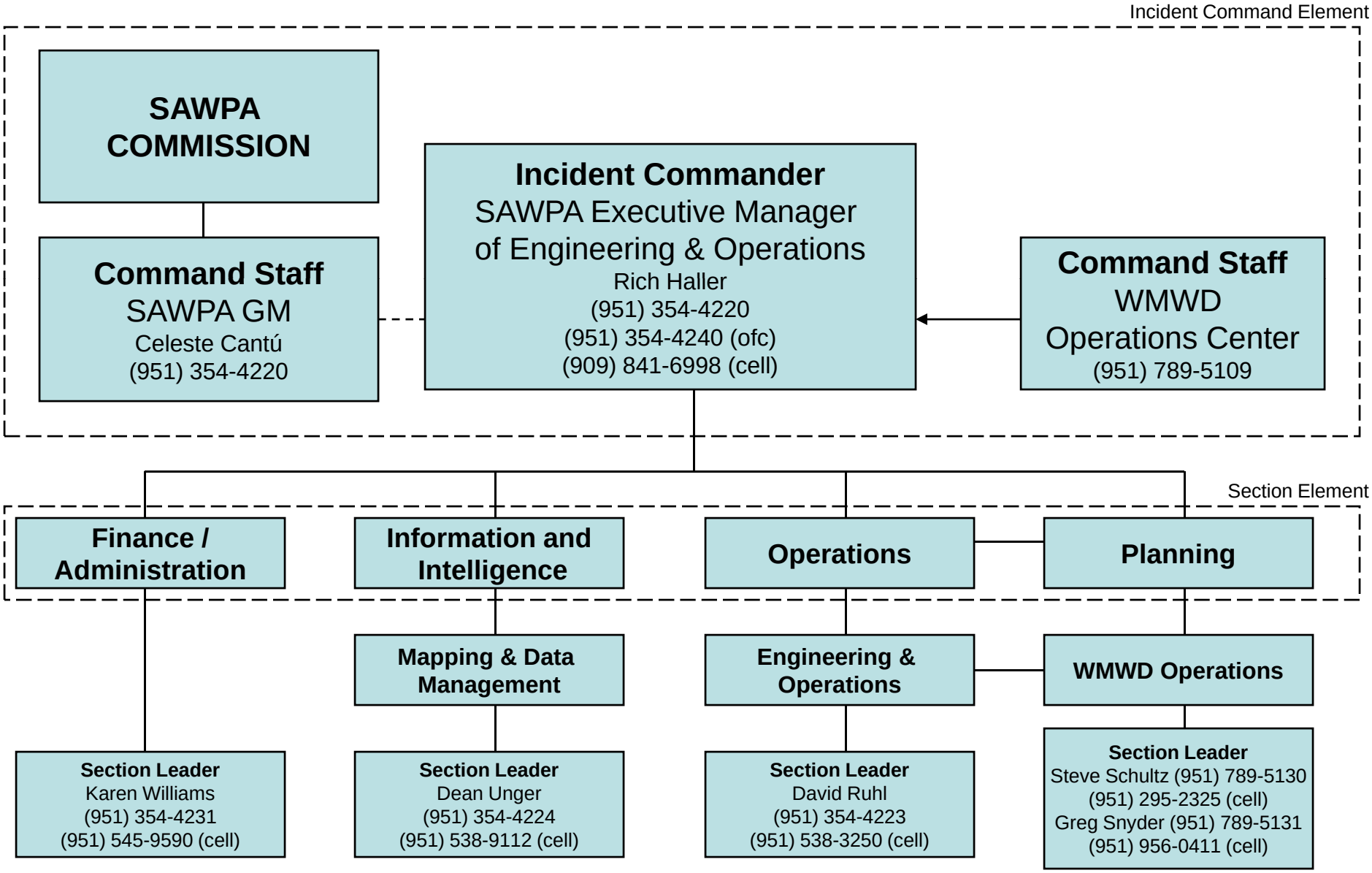
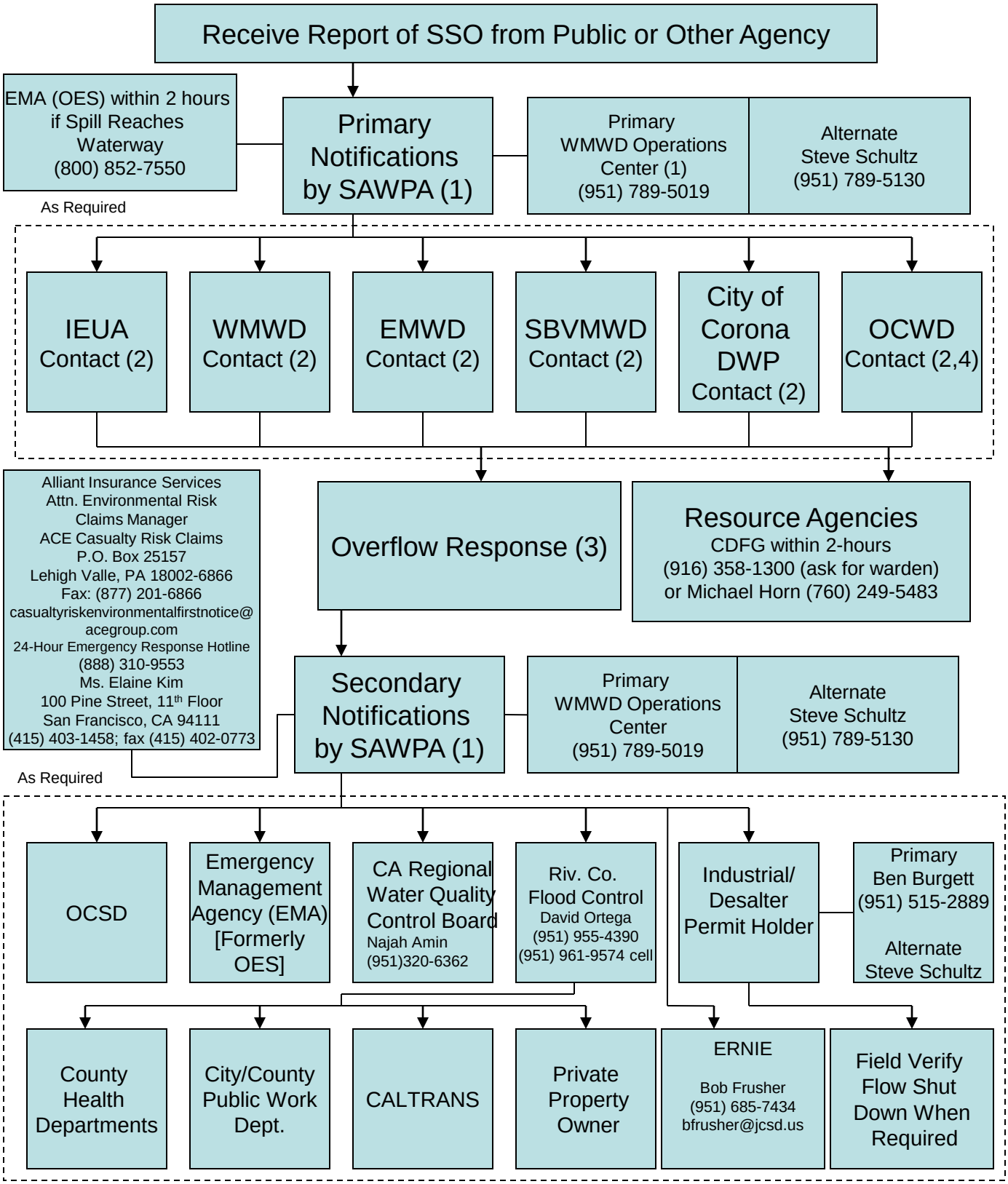


Figure 3-2

SAWPA OERP Communications Protocol



(1) Initial communication will vary base upon who receives initial report. Off-hours initial communication will be routed through the WMWD Operations Center.
(2) Notify appropriate agency depending upon location of problem. Reference Appendix B for contact information.
(3) See Figure 3-3.
(4) Any spill or discharge to the Santa Ana River or its tributaries should be reported immediately to OCWD FHQ Manager (714)378-3328 ofc (714)904-9092 cell, OCWD Dir of Water Quality (714)378-3281 ofc (714)337-3908 cell, and the OCWD Operations Center (714)378-3240

3.4 Impact Mitigation and Containment Procedures

When an SSO occurs, all feasible steps must be taken to prevent impacts including controlling or limiting the volume of untreated or partially treated wastewater discharged, terminating the discharge, and recovering and properly disposing of as much of the SSO volume as is possible, including any wash down water that is used.

In the event of a failure in a segment of the Brine Line, upstream permitted dischargers to the Brine Line will be required to stop flow while the pipeline is repaired. The direct user discharge permit requires the permittee to develop and annually (January) submit to SAWPA a contingency plan to either cease discharging to the Brine Line in the event of an emergency, or reroute discharge to a local Publicly-Owned Treatment Works (POTW) or other approved alternative. A list of all contingency plans is provided in Appendix I.

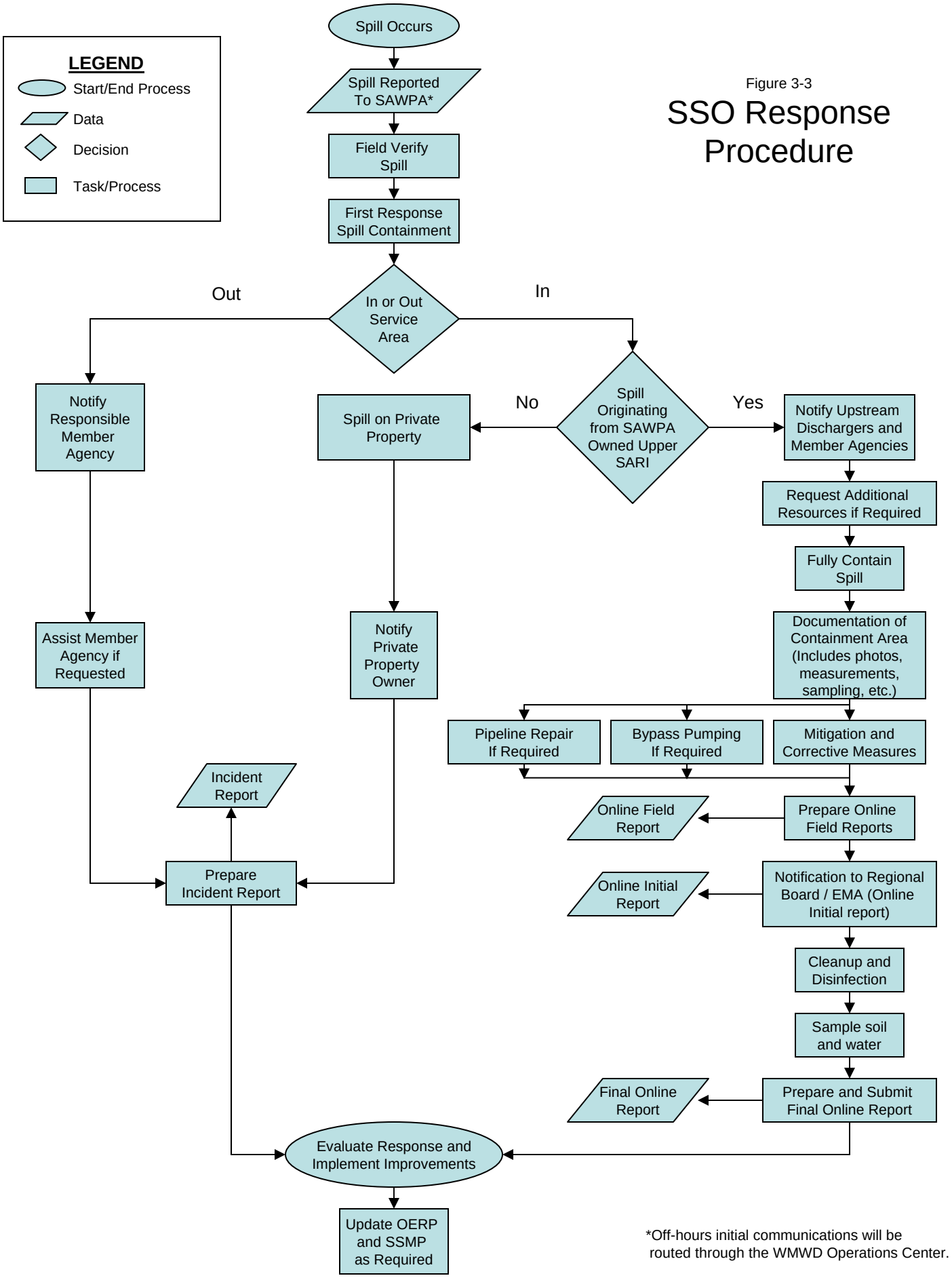
Desalters are required by their discharge permit to cease discharge to the Brine Line if deemed necessary in an emergency situation by SAWPA. During the winter of 2005, the RWQCB clarified that high total dissolved solids (TDS) discharge cannot be diverted to a local POTW as part of the bypass pumping scenario if the diversion will result in exceeding wastewater treatment plant (WWTP) permit limits. SAWPA recognizes that periods of extended desalter shutoff will be difficult during summer months due to the high demand for potable water. Repairs will be initiated as soon as possible and the duration kept as short as possible. However, a large failure could keep the Brine Line out of service for 6 to 12 months.

Bypass pumping would be required for the remaining flow from domestic areas that cannot be shut off. SAWPA would be able to store flow within the Brine Line for a limited period while bypass pumping is set-up and desalter and power plant flow is shutdown. No portion of the Brine Line will be plugged if this will create an overflow anywhere upstream of the system.

Should an SSO occur in which untreated or partially treated wastewater enters the storm drain system, all feasible steps must be taken to prevent wastewater from discharging to flood control channels and waters of the United States, by blocking the storm drainage system and removing the wastewater from the storm drains.

Figure 3-3

SSO Response Procedure



*Off-hours initial communications will be routed through the WMWD Operations Center.

Mitigation and containment activities may include:

- Interception and rerouting of untreated or partially treated wastewater flows around the failure that produced the SSO;
- Vacuum truck recovery of SSO and wash down water;
- Cleanup of debris at the overflow site;
- System modifications to prevent future SSOs in the same location;
- Sufficient sampling to determine the nature and impact of the discharge; and
- Public notification to minimize public exposure to the SSO.

3.4.1 Response Crew Responsibilities

A response crew, which may include SAWPA, IEUA, EMWD, OCSD, WMWD, SBVMWD, City of Corona DWP staff, ERNIE and CalWARN members, as well as contractors, should be dispatched to the overflow site to conduct mitigation and containment activities. The first personnel who arrive have the responsibility of protecting public health and safety to the maximum extent possible. If it is determined that the overflow is not SAWPA's responsibility, however there is imminent danger to public health, public or private property, or the quality of waters of the United States, then emergency action should be taken by SAWPA's crew until the responsible party assumes the responsibility.

The response crew should take the following actions upon arrival at an overflow location:

- Determine the cause of the overflow;
- Take immediate action to stop the overflow. If an overflow on private property threatens public health, extraordinary measures may be taken to protect public health;
- Identify and request any needed assistance or resources to determine the overflow cause and prevent further discharge;
- Estimate volume of the SSO to the nearest 500 gallons;
- Determine if private property is affected; and
- Request additional personnel, materials, supplies, or equipment that will expedite and minimize the impact of the overflow.

- See response checklist contained at the beginning of this document for a detailed listing of response tasks.

3.4.2 Cleanup

Sewer overflow sites must be thoroughly cleaned after an overflow event such that no identifiable residue remains, such as sewage solids, rags, and other debris. Solids and debris must be collected for proper disposal.

In order to properly clean up an SSO and mitigate potential effects, several actions may be taken, including but not limited to:

- Application of absorbent material;
- Excavation and disposal of affected soil and used absorbent;
- Flushing of the overflow site with clean (generally potable) water;
- Application, containment and recovery of any chlorinated wash-down water; and
- Return of all wash-down water to the sewer.

Disinfection may be required in instances where a ponded area of sewage cannot be pumped dry or sewage has mixed with additional standing water. Disinfectants may include bleach or high-test hypochlorite (HTH). A dosing of 10 to 12 ounces of HTH per 100 square feet of pond surface is generally appropriate for relatively shallow ponds. Deeper ponds may require higher dosages, which must be determined by SAWPA staff, the local health department, or the local water quality authority. Chlorine products are not acceptable for use in a body of water containing fish or other aquatic life, unless the local wildlife management authority has specifically instructed otherwise.

In cases where complete recovery of sewage is not practical and severe oxygen depletion is expected in existing surface waters, the use of portable aerators may be required.

SAWPA has an on-call emergency response provider responsible for removal of brine, containment, and remediation.

Locations for discharge of recovered brine can be found in Appendix K.

3.4.3 Public Notification

In the event of a sewer overflow, SAWPA must determine the need to post notices of polluted surface water bodies or ground surfaces in order to protect public health. If necessary, public notices should be provided in alternative languages. Notices may only warn of potential public health risks due to sewage contamination, but do not necessarily prohibit the use of the affected land or water for recreation, unless otherwise stated. The postings must be displayed for five days.

Public notification may include signs, hangers on the front doors of potentially affected residences and businesses, or pre-scripted news releases to the printed or electronic news media for immediate publication or airing on local radio and/or television stations as appropriate.

3.4.4 Traffic and Crowd Control

Traffic and crowd control measures vary based on the size and potential impact of the overflow event. When appropriate, local police, fire department, and City contacts should be notified to aide in addressing traffic and crowd control issues. As a general rule California Manual on Uniform Traffic Control Devices (MUTCD) guidelines (latest edition) should be followed. These contacts are available for each Brine Line reach in Appendix G.

- Small Spill (Less than 1,000 gallons)
  - Setup traffic cones to direct traffic from spill area
  - Use staff personnel to control traffic and pedestrians
- Medium Spill (Greater than or equal to 1,000 gallons and less than 10,000 gallons)
  - Contact Member Agencies as needed
  - Perform lane closures as needed
  - Close any affected entrances or exits from all public and private facilities
  - Place proper signage for any lane closures including contaminated area signs
  - Inform local law enforcement and/or fire department of lane/road closures and traffic control
  - Use caution tape and barricades to protect pedestrians from contaminated areas
- Large Spill (Greater than or equal to 10,000 gallons)
  - Contact Member Agencies as needed
  - Inform local police and sheriff's department of any law enforcement needed for road closures and traffic control
  - Inform local fire department of lane and road closures
  - Delegate the responsibilities to Member Agency team members to inform the public of hazards
  - Use signage to inform public of potential hazards to public health and safety
  - Block public access to hazards using barricades, cones and caution tape

3.4.5 Monitoring

Standard Operating Procedures (SOPs) should be used for the testing of receiving waters to assess the qualitative and quantitative extent (pollutant load) of the discharge and to determine the effectiveness of the containment and cleanup to assess when the discharge of pollutants no longer poses a health or water quality concern. An ongoing monitoring program should be in place to include water quality testing for pollutants of concern for each Brine Line reach. A list of analysis required is provided in Appendix H. Any additional sampling requirements shall be identified in the sampling plan prepared for each SSO.

Analyses should be performed by approved methods at the lowest detection limit that may be achieved based on the water sample and potential matrix interferences. This may require some samples near the point of release to be analyzed by wastewater methods that have higher detection limits and are capable of processing "dirty" matrices. Further downstream of the release point, the water samples may be analyzed by drinking water methods evaluated at very low detection limits. Samples should be representative of the affected area and should be collected at or near the point of discharge from the Brine Line and locations downstream. The frequency of monitoring should ensure capture of appropriate flow and water quality conditions, and should continue until ambient (pre-spill) conditions are restored in the river and downstream recharge basins, if they were impacted by the SSO event.

A general description of the monitoring procedures for SSO impacted receiving waters includes the following activities:

- A sampling plan should be prepared, identifying at a minimum, the location where the samples will be taken (including soil samples), the list of parameters for testing, the frequency of testing, the person responsible for sample collection, the laboratory where the samples will be taken. Each sample locations should have a unique identification code.

- Sample receiving waters upstream of the SSO discharge point using drinking water analysis methods to provide a snapshot of ambient (pre-spill) conditions;

- Sample receiving waters immediately downstream of the SSO discharge point using wastewater analysis methods;

- Continue sampling downstream of the SSO discharge point at periodic locations using wastewater and/or drinking water analysis methods to verify the extent of the SSO plume within the receiving waters (frequency and distance between sampling locations will vary with the size of the SSO); and

- Continue sampling receiving waters using wastewater and/or drinking water analysis methods at periodic time intervals until ambient (pre-spill) conditions have been restored (intervals for sampling locations will vary with the size of the SSO and the extent of the cleanup efforts).

3.5 Emergency Operations

3.5.1 Bypass Pumping

Manhole-to-manhole (also known as Maintenance Access Structures) bypass pumping is the anticipated method of emergency response for routing Brine Line flows around failed segments of the Brine Line. If the manholes within the subject reaches are accessible in the event of a failure, these bypass pumping systems would be capable of routing effluent through an alternate conduit from manhole(s) upstream of the failure to manhole(s) downstream of the failure, thereby isolating the problematic section of the Brine Line.

The practice of temporarily suspending industrial and desalter permits to reduce the total flow in the Brine Line will minimize the size and number of required bypass pumping operations. A requirement has been added to the discharger permits to prepare a contingency plan in the event of a catastrophic failure of the Brine Line requiring immediate shut down of flows into the Brine Line. All contingency plans from dischargers are provided as an appendix to this Emergency Response Plan.

Three key bypass pumping configurations have been identified for Brine Line Reaches IV-A, IV-B/V, and IVD/E. The configurations would serve to reduce overall flow should a break occur in the downstream segments of the Brine Line near Prado Dam, and may also reduce the overall flow rates reaching the Lower SARI by routing flows into nearby WWTPs. Appendix C contains Figures 1-5 through 1-11 from the Brine Line ERP, which show the identified configurations. Appendix C Figure 1-5 shows a configuration that routes domestic flow from Reach IV-B, including the California Rehabilitation Center (CRC) Lateral, into the City of Corona WWTP No. 1. In Appendix C Figure 1-6, domestic flows from Reach IV-B, including the CRC Lateral, are routed to the West Riverside County Regional Wastewater Authority (WRCRWA) sewage lift station. Appendix C Figures 1-7 shows the alternative to divert flows from Reaches IV-B and V to the WRCRWA lift station. Figures 1-8 through 1-11 show three alternatives and area details for diverting domestic flow from Reaches IV-A and IV-D/E to the IEUA Regional Plant 5 (RP-5) Wastewater Treatment Facility. A summary of each of the proposed alignments is included in Table 3-1.

Based on availability at the time of the SSO occurrence, as well as the general magnitude of the required bypass pumping system, emergency contractors may be able to utilize small-diameter (6-inch) flexible PVC piping on the suction and discharge sides of the bypass pumping operation to save the setup time associated with laying rigid steel pipe or fusing HDPE pipe. This flexible piping is typically rated up to 50 psi, and when assembled, is nearly watertight. Using a manifold, for example, up to twelve 6-inch lines may be connected in parallel to a single 16-inch pump to achieve greater flow rates. A full bypass pumping system utilizing this type of piping may be assembled within one or two days. Should flow rates or specific configurations require greater pipe diameters or piping distances, conventional steel piping may be supplied to the site for assembly. Depending on the complexity of the bypass pumping scenario, this process may take up to one or two weeks. Appendix C also contains a quote from Godwin

Pumps of America, Inc. created for the Brine Line ERP for bypass pumping of 0.3 to 3 MGD of main flow.

Under wet weather conditions and/or conditions removed from a source of electricity (e.g. generators), diesel pumps may be supplied over electric pumps. Certain diesel pumps, while providing an additional measure of safety over electric pumps in wet weather conditions, can also function quietly when sound-attenuation devices are used. Under lower head conditions, one 16-inch, 500-hp diesel pump may provide up to 10,000 gpm of pumping capacity. Under greater required suction heads and/or pumping distances, multiple pumps maybe used in series (i.e., booster pumps) to maintain the same flow rate. Standby/redundant pumps should be furnished to prevent system downtime.

Diesel pumps and diesel generators (to power electric pumps) will require refueling if operated for extended periods. Depending on the capabilities of the specific emergency response contractor(s), supplementary skid-mounted fuel tanks may be able to be delivered to the bypass pumping site (according to bypass pumping contractors, up to 750 gallons/tank) to allow continuous operation of the pumps for extended periods without refueling. Depending on applicable regulations, secondary containment structures (for example, polyurethane-coated fabric containment berms) may be required for these tanks. As an alternate source, tanker trucks may be able to be contracted to provide scheduled deliveries of fuel to the jobsite.

Several items must be considered when planning for bypass pumping operations including:

- Peak and average flow rates that will require pumping after flow minimization efforts have occurred;
- Pump site access at both the suction and discharge points;
- Pipeline alignment, including traffic control and crossings of either roadways or driveways;
- Availability of equipment;
- Time required to install equipment; and
- Coordination with local jurisdictions.
- Availability of power or need for diesel engine driven pumps and fuel storage.

To the maximum extent possible, pre-event coordination with local jurisdictions should occur through the use of Mutual Aid Agreements and coordination with Caltrans and potentially affected Cities.

Table 3-1

Summary of Potential Bypass Pumping Alignments (Upper SARI)[1]

Applicable Events and Conditions[1]	Bypass Location (suction)	Purpose and Description	Suction MH		Static Suction Head[2] (ft)	Discharge Elevation		Static Discharge Head[3] (ft)	Approx. Bypass Length (ft)	SARI Reach Capacity[4] (MGD, gpm)	Estimated Flows[5] (MGD, gpm)		Estimated Horsepower (hp)		Est. Flows Less Upstream Desalters[6] (MGD, gpm)		Est. Horsepower Less Upstream Desalters (hp)[6]	
			Rim	Flow Line		Rim	Flow Line				Average	High[8]	Average	High	Average	High[8]	Average	High
All Conditions	Reach IV-A MH 4A-0400 Sta. 267+00 (Fig. 1-8)	Diverts Reach IV-A flow to PS @ RP-2, pumps to RP-5	552.0	532.0	20.0	552 (RP-2 PS)		0	100	18, 12499 (Reach IV-A)	.8, 208	1.0, 662	5	7.5				
All Conditions	Reach IV-D MH 4D-0120 Sta. 76+40 (Fig. 1-9)	Diverts Reach IV-D/IV-E flows to IV-A and on to RP-5	558.0	531.4	26.6	545.0 (MH 18 Sta. 257+04)	528.0 (MH 18, Sta. 257+04)	-14.0	4632	20, 13888 (Reach IV-D)	1.77, 1226	2.12, 1472	10	15				
All Conditions	Reach IV-D MH 4D-0240 Sta 80+30 (Fig 1-10, 1-11)	Diverts Reach IV-D/IV-E to Kimball interceptor	591.0	573.4	17.6	619.0		28.0	3750	20, 13888 (Reach IV-D)	1.77, 1226	2.12, 1472	10	15				
Seismic or Low Flood Stage only	Reach IV-B MH 12 Sta. 136+62 (Figure 1-5)	Diverts Reach IV-B/V flow to Corona WWTP No. 1	527.0	512.6	14.4	536 (Corona WWTP)		9.0	2710	26, 18054 (Reach IV-B)	1.3, 902	1.5, 1042	10	15				
All Conditions	Reach IV-B MH 22 Sta. 190+06 (Figure 1-6)	Diverts CRC Lateral flow to WRCRWA Lift Sta./WWTP	549.0	537.2	11.8	563 (Lift Sta.)		14.0	3700	1.5, 1041 (CRC Lat.)	1.3, 902	1.5, 1042	10	15				
All Conditions	Reach IV-B MH 31 Sta. 230+75 (Figure 1-7)	Diverts Reach IV-B/V flow to WRCRWA Lift Sta../WWTP	563.0	554.3	9.7	563 (Lift Sta.)		0	65	26, 18054 (Reach IV-B)	0.5, 347	1, 694	5.0	7.5				

1. See Figures 1-5 through 1-8 in Appendix C for proposed bypass piping alignments.

2. "Worst-case" static suction head measured from manhole flow line to rim. Actual suction head will likely be much less as flow backs up in SARI following plugging of line.

3. Static discharge head calculated as Rim Elev. Of Discharge minus Rim Elev. Of Suction. Does not include dynamic losses. Total Dynamic Head (TDH) requirement must be calculated on a case-by-case basis by Emergency Response Contractor.

4. Estimated maximum pipeline capacities.

5. Flow data current as of August 2009 for Reaches IV-A, IV-B/V, IV-D/E, and CRC Lateral. These values do not include desalter of power plant flows due to RWQCB restrictions.

6. N/A

7. Flows assume no upstream bypass operations (e.g. from MH #22 or MH #31) are in place. Flow, therefore, is calculated as IV-B/V including Golden Cheese, Alcoa, CRC Lateral Flow, and Corona Energy Partners.

8. "High" flows calculated using peak day factors for Upper SARI Reaches. Peak day factors were obtained from the November 30, 2006, Memorandum from Kennedy/Jenks Consultants.

9. Flow does not include Golden Cheese, Alcoa, CRC Lateral or Corona Energy Partners contributions as these dischargers are downstream of this bypass pumping point.

3.5.2 Pump and Haul Initial Response

As described in Section 2.1, the unique nature of the Brine Line flows requires unique SSO emergency response procedures for SAWPA and member agencies. Liquid and debris recovered by vacuum truck from a Brine Line SSO cannot be discharged for disposal into any of the surrounding domestic sanitary sewer systems. Since most of the effluent in the Brine Line is desalter brine, any effluent escaping the Brine Line must be discharged back into the Brine Line itself. To facilitate this process, SAWPA installed discharge tees and valves on Reach V. The location of these Reach V discharge valves has been provided on Figure 3-4, Figure 3-5, and Figure 3-6. Using specialized blow offs and couplings, response crews can discharge recovered waste into the Reach V tees and valves. Air Vac AV1020 (near the intersection of El Sobrante and 6th Street, in the City of Corona) has been modified to allow discharge back into the system through a 4-inch valve. Additionally, recovered brine can be discharged back in to the system at the juncture of Reach V and Reach IV-B (MAS 4B-490) and on Reach 4B Upper at Radio Road (MAS 4B-0590) directly into gravity MAS (see Appendix K for a disposal location map).

Typical pump and haul initial response activities for a Brine Line SSO would include:

- Response crews and vacuum truck equipment arrive at the SSO site;
- Implement first response mitigation and containment activities;
- Vacuum truck recovery of SSO and wash down water;
- Haul recovered SSO liquid, debris and wash down water to Reach V discharge tees or valves;
- Address traffic control and access to discharge point (Reach V tees or valves) along the Brine Line;
- Connect vacuum truck to discharge tees using specialized blow offs and couplings; and,
- Discharge recovered Brine Line SSO liquid, debris and wash down water into Reach V or Reach 4B Upper of the Brine Line.

Figure 3-4
Inland Empire Brine Line
Reach V Mainline Valves

P:\projects\d_ruhl\RchV_MainValve3_4.mxd SW-979

Figure 3-5
Inland Empire Brine Line
Reach V Mainline Valves

Leroy Valve - 70 turns

Indian Truck Trail Valve - 260 turns

E Ontario Ave
Bedford Motor Wa
I-15
I-15
Knabe Rd
Hunt Rd
Lawson Rd
71
Temescal Canyon Rd
Indian Truck Trl

N

Legend

V

Main (gate) Valve

0 0.5 1 2 Miles

SAWPA

P:\projects\d_ruhl\RchV_MainValve3_5.mxd SW-976

Figure 3-6
Inland Empire Brine Line
Reach V Mainline Valves

PSS Bypass Valve
70 turns

PSS Upstream Valve
60 turns

PSS Intermediate Valve
55 turns

Lake St. Valve - 260 turns

PSS Downstream Valve
250 turns

Temescal Canyon Rd
Horsethief Canyon Rd
Lake St
Mountain Rd
Coal St
Nichols Rd
I 15
Collier Ave
Ramp
Dexter Ave
Camino del Norte
Strickland Ave
Palm Dr
Chaney St
N Main St
State

0 0.5 1 2 Miles

Legend

- V
- Brine Line Lateral
- Main (gate) Valve
- 10" Tee Discharge Valve

SAWPA

P:\projects\d_ruhl\RchV_MainValve3_6.mxd SW-977

Figure 3-7 Reach IV Mainline Valves

Legend

- Brine Line Main Valves
- Brine Line

Prado Basin

CA-71

Reach 4 Gate Valves (South View)

Access through Prado Dam

Reach IV-A Gate Valve

Reach IV-B Gate Valve

SAWPA

500 250 0 500 Feet

3.5.3 Additional Emergency Measures for Flow Reduction

Under scenarios of multiple, complex, or difficult-to-access SSO causing failures, significant time may pass before permanent repairs may be fully executed. During this time, additional temporary bypass pumping systems would need to be implemented by SAWPA, as would other contingency plans to minimize Brine Line pipeline flows and further damage and SSOs. These additional plans may include limitations on upstream desalter use, the identification and implementation of alternate treatment facilities, a limitation on new discharge permits or increased discharge flows for an existing permit, and/or a temporary halt to the construction of new connection laterals to the Brine Line.

In response to a SSO on the Lower SARI, SAWPA and its member agencies may require Brine Line dischargers to temporarily cease or lower discharges until the spill has been mitigated within Orange County. These activities would be coordinated with OCSD who owns and operates the Lower SARI.

3.5.4 Indirect Discharges

There are currently four truck collection stations operating on the Brine Line. These are operated by IEUA, EMWD, WMWD, and SBVMWD (City of San Bernardino is the contract operator). In the event of a catastrophic failure of the Brine Line, the collection stations upstream of the failure would be immediately directed to cease operations. Alternative locations, such as at OCSD Regional Plant No. 1 in Fountain Valley, will be investigated and trucks redirected. After installation of bypass pumping, SAWPA will evaluate the ability to restart operations at the truck dump stations.

3.6 Vendors, Suppliers, and Response Contractors

Whenever possible, SAWPA and member agency resources will be utilized to respond to an overflow emergency. However there may be times when resources are insufficient and external vendors, suppliers, and response contractors may be used. To the extent possible, SAWPA should consider vendors, suppliers, and response contractors that have been fully trained in SSO response procedures and protocol.

During smaller or less critical SSO causing emergencies, WMWD (Brine Line operator by agreement with SAWPA) may choose to function as the general emergency response contractor and provide the required on-site labor and equipment. During larger or more complex emergency situations and/or in the event of reduced pump and pipe inventories at contractor yards, multiple bypass pumping (and other) contractors may need to coordinate their efforts and share equipment and supplies. Appendix D, from the Brine Line ERP, provides a list of local vendors, suppliers, and response contractors that may be called upon during an SSO emergency in the Brine Line.

It is anticipated that a bypass pumping contractor will be able to mobilize to the site with the necessary pumps and associated piping as soon as possible following a confirmed failure that is causing an SSO. In this scenario, the contractor would function as the general emergency response contractor with oversight from SAWPA or one of its member agencies.

The vendors and suppliers identified in Appendix D have been organized to fit the NIMS resource typing system, which uses definitions of category, kind, components, metrics, and type to organize resources that may be called upon in the event of an emergency. Table 3-2 provides the breakdown of Brine Line vendors, suppliers, and response contractors in the NIMS format.

Table 3-2
NIMS Resource: SAWPA SSO Response/Repair Team

Category:	Public Works and Engineering: Emergency repair of water and wastewater treatment facilities	**Kind:**	Team - SSO Response
Component	**Metrics**	**Type**	
External Support Team	Bypass Pump Contractors		
External Support Team	Pipe Subcontractors		
External Support Team	Miscellaneous Subcontractors	Waste Disposal; Chlorination and Disinfection; Cleaning and Chemical Cleaning; Blasting; Railroad Construction; Pest & Termite Control; Environmental Mitigation / Abatement Contractors	
Rental Equipment	Temporary Facility Rental	Pipeline; Hot Taps and Stopples; Piping / Mechanical; Fire Protection Systems; Plumbing; Pipe and Equipment Cleaning; Fiberglass Installation; Pipe Lining Systems	
Rental Equipment	Construction Equipment Rental		
Materials	Piping Material Suppliers		

Section 4
Sanitary Sewer Overflow Reporting

4.1 Overview of Online Reporting Procedures

To effectively analyze the prevalence of SSOs across the state of California, as well as the potential impacts from them to public health and beneficial uses, the SWRCB has mandated a monitoring and reporting program described in Section G of the SWRCB Order No. 2006-0003-DWQ and in the attachment to the Order, Monitoring and Reporting Program No. 2006-003-DWQ (see Appendix E). This program focuses on uniform SSO reporting, in a timely manner, and aims to produce a centralized statewide electronic database to allow the State Water Board and RWQCB to conduct these analyses.

The online spill reporting system is hosted, controlled and maintained by the State Water Board at "http://ciwqs.waterboards.ca.gov". This online database is part of a secure site that is accessed by unique usernames and passwords which are obtained by registering for an SSO Database account through the California Integrated Water Quality System (CIWQS). In addition to enrolling for an account, a "Collection System Questionnaire" must be completed and updated at least once every 12 months.

This section will describe the categorization of SSOs and the varying timeframes and reporting requirements for each category. Also detailed are the online reporting forms and reporting to additional regulatory agencies.

4.2 Sanitary Sewer Overflow Categories

The MRP breaks down SSOs into three categories, described in Table 4-1.

Any SSO greater than 1,000 gallons discharged in or on any waters of the State, or discharged in or deposited where it is, or probably will be, discharged in or on any surface waters of the State must be reported to the California Emergency Management Agency (formerly Office of Emergency Services) pursuant to California Water Code section 13271.

Table 4-1
SSO Categories

Category	Description
1	Equal or exceed 1,000 gallons; or Result in a discharge to a drainage channel and/or surface water; or Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.
2	All other discharges of sewage resulting from a failure in the Enrollee's sanitary sewer system.
Private Lateral	Sewage discharges that are caused by blockages or other problems within a privately owned lateral.

4.3 Sanitary Sewer Overflow Reporting Timeframes

Reporting timeframes for each category or occurrence of SSO are summarized in Table 4-2.

Table 4-2
Reporting Timeframes for SSO Categories

SSO Category / Occurrence	Reporting Requirements
Category 1	Initial Report: ≤ 3 business days after SSO known, however the Santa Ana Regional Board requires immediate notification of a spill event when safe to do so Final Certified Report: ≤ 15 days after SSO response concludes
Category 2	30 days after the end of the calendar month in which the SSO occurred.
Private Lateral	SSO occurrence reported at utility's discretion.
None	30 days after end of calendar month.

Category 1 SSOs must be reported as soon as:

- SAWPA has knowledge of the discharge;
- Reporting is possible; and
- Reporting can be provided without substantially impeding cleanup or other emergency measures.

Initial reporting of a Category 1 SSO must be conducted through the Online SSO System as soon as possible but no later than three business days after SAWPA has become aware of the SSO. A final certified report must be completed through the Online SSO System within 15 calendar days of the conclusion of SSO response and remediation. Additional information may be added to the certified report, in the form of an attachment, at any time.

These reporting requirements do not preclude other emergency notification requirements and timeframes mandated by other regulatory agencies (local County Health Officers, local Director of Environmental Health, Regional Water Boards, or the California Emergency Management Agency (formerly Office of Emergency Services [OES])) or State law.

Category 2 SSOs must be reported within 30 days after the end of the calendar month in which the SSO occurs.

Private Lateral Sewage Discharges may be reported to the Online SSO Database based upon SAWPA's discretion. If a Private Lateral Sewage Discharge is entered into the database, SAWPA must identify the sewage discharge as occurring and caused by a private lateral, and a responsible party (other than SAWPA), if known, should be identified.

If there are no SSOs during the calendar month, SAWPA must provide, within 30 days after the end of each calendar month, a statement through the Online SSO Database certifying that there were no SSOs for the designated month.

If the SSO Online Database becomes unavailable, all required information must be faxed to the Regional Water Board office in accordance with the mandated time schedules. All required information must be entered into the Online SSO Database as soon as practical once it becomes available.

4.4 Mandatory Information to be Included in Sanitary Sewer Overflow Reporting

The following information must be provided for all categories of SSOs that are reported:

- Location of SSO with Global Positioning System (GPS) coordinates;
- Applicable Regional Water Board, i.e. identify the region in which the SSO occurred;
- County where SSO occurred;
- Whether or not the SSO entered a drainage channel and/or surface water;
- Whether or not the SSO was discharged to a storm drain pipe that was not fully captured and returned to the sanitary sewer system;
- Estimated SSO volume in gallons;
- SSO source (manhole, cleanout, etc.);
- SSO cause (mainline blockage, roots, etc.);
- Time of SSO notification or discovery;
- Estimated operator arrival time;
- SSO destination;
- Estimated SSO end time; and
- SSO Certification. Upon SSO Certification, the SSO Database will issue a Final SSO ID Number.

For Private Lateral Sewage Discharges these items are required if applicable and known. Private Lateral Sewage Discharge reporting must also include identification of the discharge as a private lateral sewage discharge and responsible party contact information, if known.

All items must be reported within three days of SAWPA becoming aware of a Category 1 overflow occurrence, except for the SSO destination, which is to be included in the final certified report. In addition to the above list, the final certified report for Category 1 SSOs must include:

- Estimated SSO volume that reached surface water, drainage channel, or was not recovered from storm drain;
- Estimated SSO amount recovered;
- Response and corrective action taken;
- If samples were taken, identify which regulatory agencies received sample results (if applicable). If no samples were taken, NA must be selected;
- Parameters that samples were analyzed for (if applicable);
- Identification of whether or not health warnings were posted;
- Beaches impacted (if applicable)/ If no beach was impacted, NA must be selected;
- Whether or not there is an ongoing investigation;
- Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the overflow and a schedule of major milestones for those steps;
- EMA control number (if applicable);
- Date EMA was called (if applicable);
- Time EMA was called (if applicable);
- Identification of whether or not County Health Officers were called;
- Date County Health Officer was called (if applicable); and
- Time County Health Officer was called (if applicable).

4.4.1 SSO Volume

In order to complete the online reporting forms, it is necessary to calculate the volume of sewage that has been discharged outside of the sanitary sewer system. There are several methods for calculating the number of gallons discharged during a sanitary sewer overflow event and the appropriate method is dependant upon the circumstances surrounding the specific SSO.

If the sewage has discharged to a rectangular ponded area, the volume of the discharge may be calculated as:

$$Volume = Length(ft) * Width(ft) * Depth(ft) * 7.48 \frac{gallons}{ft^3}$$

If the ponded area is circular, a factor of 0.785 is multiplied by the above result to account for the proportional difference between a rectangle and circle having the same side and diameter length.

If an overflow has discharged to the storm drain system, the volume must be calculated by using an estimate of the sewage that was flowing in the sanitary sewer system, based on the number of service connections multiplied by the duration of the overflow. In a traditional sanitary sewer system, a rough estimate of 200 gallons is contributed per household lateral every 24 hours. However, because the Brine Line is primarily a desalter discharge conveyance line, the flow in the line must be determined by an estimated contribution from each discharger over the time period of the SSO event. If the SSO is still occurring when the response crew arrives it may be possible to estimate the volume of sewage that has been released, based on the flow multiplied by the duration of the overflow, using the orifice equation to determine flow:

$$Q = CA\sqrt{2gh}$$

where,

Q = flow of fluid from a hole, ft^3/s

C = coefficient of discharge

A = area of the hole, ft

g = gravity ($32.2\ ft/s^2$)

h = height of the fluid above the cover, ft

$C = C_v * C_c$, typically between 0.608 and 0.639

C_v = coefficient of velocity, ranging from 0.954 for ¾" orifice to 0.991 for 2½" orifice

C_c = coefficient of velocity, ranging from 0.67 for ¾" orifice to 0.614 for 2½" orifice

4.5 Standard Online Reporting Forms

Sample forms to be filled out in the field in preparation of entering required information in the Online SSO System can be found in Appendix F. Prior to filling out the forms in the Online SSO System, a supervisor should verify that the information collected on the field forms is accurate and complete.

The first form in Appendix F enables the user to determine the spill type. Once the spill type is determined, Category 1 and Category 2 SSOs have separate reporting forms that must be completed. As well, there is a "No Spill Certification" to file for months in which no SSOs occur. A "Spill Related Parties" form is also available for filing if this additional information is relevant to the SSO event.

4.6 Reporting to other Regulatory Agencies

California State law may require additional reporting of SSOs to other regulatory agencies. The Online SSO System does not replace other Regional Water Board reporting requirements for SSOs.

SAWPA must report SSOs to EMA in accordance with California Water Code Section 13271. EMA can be contacted at 800-852-7550.

SSOs must also be reported to County Health officials in accordance with California Health and Safety Code Section 5410 et seq. Riverside County Department of Public Health: 951-358-5000, San Bernardino Department of Public Health: 800-782-4264, and Orange County Environmental Health (Control 1): 714-628-7008 or 714-433-6000.

Riverside County Flood Control and Water Conservation District is to be notified within two hours of an SSO if any brine is discharged to any of their facilities (see Figure 3-2).

The Online SSO System will automatically generate an email notification with customized information about an SSO upon initial reporting of the SSO and final certification for all Category 1 SSOs. Emails will be sent to the appropriate County Health Officer and/or Environmental Health Department if the county desires this information, and the Santa Ana Regional Water Quality Control Board.

The California Department of Fish and Game (DFG) should be notified if the SSO reaches any stream and/or wetland according to DFG Code Section 1602. A biologist should be contacted immediately if there is any doubt if the SSO reached a stream and/or wetland.

DFG Code Section 1602 states: You do not need to notify DFG or obtain a Lake or Streambed Alteration Agreement before beginning the following emergency work:

1. Immediate emergency work necessary to protect life or property;
2. Immediate emergency repairs to public service facilities necessary to maintain service as a result of a disaster in an area in which the Governor has proclaimed a state of emergency; and
3. Emergency projects undertaken, carried out, or approved by a state or local governmental agency to maintain, repair, or restore an existing highway, within the existing right of-way of the highway, that has been damaged as a result of fire, flood, storm, earthquake, land subsidence, gradual earth movement, or landslide, within one year of the damage.

Although notification is not required before beginning the emergency work, you must notify DFG in writing within 14 days after beginning the work.

SAWPA requires immediate (within 2 hours of receiving notification of SSO) DFG notification if a Brine Line spill ever reaches streams and or wetlands. Contact: Michael Horn, Lt. Specialist, DFG; (mhorn@ospr.dfg.ca.gov), (760) 249-5483 or alternatively call DFG Dispatch at (916) 358-1300 and ask to speak to a warden. [Office of Spill Prevention and Response – Inland, 1700 K Street, Suite 250, Sacramento, CA 95811].

Reference Brine Line and Fish and Wildlife Service (FWS) critical habitat map in Appendix L. Contact FWS if brine SSO impacts or appears to impact any FWS critical habitat. SAWPA will rely on the biologist opinion regarding biological and/or environmental impacts.

Section 5
Record Keeping and Certification

5.1 Record Keeping

Existing SAWPA procedures for records filing and retention shall be followed unless otherwise mandated by the WDR. This consists of the requirements detailed in SAWPA Resolution 2012-10, Policy for Retention and Destruction of Agency Records.

The WDR mandates that individual SSO records shall be maintained by SAWPA for a minimum of five years from the date of the SSO. This period may be extended when requested by a Regional Water Board Executive Officer. All records must be made available for review upon State or Regional Water Board staff's request.

The records of SSOs that must be retained include, but are not limited to:

- Record of Certified report, as submitted to the online SSO database;
- All original recordings for continuous monitoring instrumentation;
- Service call records and complaint logs of calls received by SAWPA
- SSO calls;
- SSO records;
- Steps that have been and will be taken to prevent the SSO from recurring and a schedule to implement those steps;
- Work orders, work completed, and any other maintenance records from the previous 5 years which are associated with responses and investigations of system problems related to SSOs;
- A list and description of complaints from customers or others from the previous 5 years; and
- Documentation of performance and implementation measures for the previous 5 years.

If water quality samples are required by an environmental or health regulatory agency or State law, or if voluntary monitoring is conducted by SAWPA or its agent(s), as a result of any SSO, records of monitoring information shall include:

- The date, exact place, and time of sampling or measurements;
- The individual(s) who performed the sampling or measurements;

- The date(s) analyses were performed;
- The individual(s) who performed the analyses;
- The analytical technique or method used; and
- The results of such analyses.

All monitoring instruments and devices that are used to fulfill the prescribed monitoring and reporting program must be properly maintained and calibrated as necessary to ensure their continued accuracy.

5.2 Certification

All final reports must be certified by an authorized person as required by Provision J of the WDR, which states that all applications, reports, or information shall be signed and certified by a person designated, for a municipality, state, federal or other public agency, as either a principal executive officer or ranking elected official, or by a duly authorized representative of that person. An individual is considered a duly authorized representative if the authorization is made in writing by the designated principal executive officer or ranking elected official and the authorization specifies an individual or a position having responsibility for the overall operation of the regulated facility or activity. Registration of authorized individuals, who may certify reports, will be in accordance with the CIWQS protocol for reporting.

For the purposes of electronic reporting, an electronic signature and accompanying certification, which is in compliance with the Online SSO database procedures, meet this certification requirement.

Section 6
Training and Follow-up Plans

6.1 Training

SAWPA and member agency staff, contractors, vendors, and suppliers should be aware of and properly trained to implement the provisions and procedures of the OERP. Staff must fully understand the response protocol for SSO events and should be notified of any changes to the OERP, particularly annual updates that may be made to the report. If major response protocols are revised, staff should be retrained to assure full understanding of SSO emergency response protocol. Lack of training can lead to a slower and less effective response during an emergency event.

The State Water Board has signed a memorandum of agreement (MOA) with the California Water Environment Association (CWEA) to develop a training course in response to the requirements of the WDR. The course is intended to educate participants about the terms of the WDR and use of the online SSO database, as well as development of an SSMP. Training is conducted using a team format where participants will work through case studies and enter data into a database simulation via laptops. Current SAWPA response staff completed the training in November 2006; however follow-up training or training for new employees may be required in the future.

In addition, field training should occur to prepare response crews for conditions that will be encountered during an overflow emergency event. Field training activities should include a mock clean up and other exercises of procedures that the response crews may need to perform.

6.2 Follow-up Plans

Specific field conditions and emergency response personnel and/or procedures may change over time. As such, this OERP must be treated as a living document and be updated on an annual basis. At a minimum, phone numbers and forms must be updated, and a review of the procedures must be conducted. Plan performance should also be checked on an annual basis. SAWPA will be responsible for relaying these annual updates to the Member Agencies and OCSD.

The 2005 Brine Line ERP Figure 1-2, Pre-Event Planning Flow Chart, may also be referenced as a pre-event planning guide for emergency responders and SAWPA staff. This chart denotes specific planning and OERP updates that should occur on an annual basis. The pre-event planning guide involves reviewing and updating the contractors and suppliers list, equipment requirements, and the notification and communications protocol described in this document.

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Glossary of Terms/Acronyms

CIWQS - California Integrated Water Quality System

CMLC - Cement Mortar Lined and Coated

CRC - California Rehabilitation Center

CWA – Federal Clean Water Act

CWEA - California Water Environment Association

DHS – Department of Health Services

DWP – Department of Water and Power

EMA – California Emergency Management Agency

EMWD - Eastern Municipal Water District

ERP - Emergency Response Plan

GPS – Global Positioning System

HDPE - High Density Polyethylene Pipe

HTH - High-Test Hypochlorite

ID - CIWQS User Identification

IEUA - Inland Empire Utilities Agency

MOA - Memorandum of Agreement

MRP - Monitoring and Reporting Program

NIMS - National Incident Management System

NPDES – National Pollutant Discharge Elimination System

OCSD - Orange County Sanitation District

OCWD - Orange County Water District

OERP - Overflow Emergency Response Plan

OES - Office of Emergency Services

POTW – Publicly-Owned Treatment Works

PVC - Polyvinyl Chloride

RCP - Reinforced Concrete Pipe

RCPP - Reinforced Concrete Pressure Pipe

RP-2 – IEUA Regional Plant 2

RP-5 – IEUA Regional Plant 5

RWQCB – Regional Water Quality Control Board

SARI - Santa Ana Regional Interceptor (Orange County portion)

SAWPA - Santa Ana Watershed Project Authority

SBVMWD - San Bernardino Valley Municipal Water District

SOP – Standard Operating Procedure

SSMP - Sewer System Management Plan

SSO - Sanitary Sewer Overflow

SWRCB – State Water Resources Control Board

TDS - Total Dissolved Solids

Upper SARI – Upper Santa Ana Regional Interceptor or Inland Empire Brine Line

USACE - U.S. Army Corps of Engineers

USEPA - United States Environmental Protection Agency

VCP - Vitrified Clay Pipe

WDR - Statewide General Waste Discharge Requirements for Sanitary Sewer Systems

WMWD - Western Municipal Water District

WRCRWA - Western Riverside County Regional Wastewater Authority

WWTP - Wastewater Treatment Plant

Appendix A
Brine Line Discharges
(October 2012)

Appendix A

Brine Line Flows

October 2012

SiteNo	SiteName	MONTHLY AVG MG*	DAILY AVG MG
1	County Line Master Meter	354.9000	11.4484
5	IEUA	9.6392	0.3109
19	CRC Rehab. Center	16.2811	0.5252
20	Corona Energy Part.	1.2975	0.0419
21	JCSD-Cleveland	0.0000	0.0000
22	Arlington Desalter	28.5100	0.9197
23	JCSD-Wineville	3.5030	0.1130
24	JCSD-Hamner	2.9127	0.0940
25	Green River Golf	0.2092	0.0067
26	CIW/Womens Prison	12.5490	0.4048
28	JCSD-Etiwanda	20.2733	0.6540
29	Rubidoux CSD	0.1195	0.0039
32	Temescal Desalter	47.9100	1.5455
34	Chino Desalter	55.8590	1.8019
35	Mountainview Power Plant	13.6282	0.4396
36	JCSD-Chandler	0.0000	0.0000
41	Menifee Desalter	23.4026	0.7549
48	JCSD-Harrison	0.0000	0.0000
49	JCSD Hamner Lift Station	0.0000	0.0000
50	Dart Container	0.9903	0.0319
53	Agua Mansa Power Plant	0.4143	0.0134
54	JCSD CELEBRATION**	2.8360	0.0915
55	JCSD ARCHIBALD	0.0000	0.0000
62	Ener Tech***	0.4119	0.0133
63	DFA Distilled Water Plant	0.0000	0.0000
64	Wellington Foods	0.1875	0.0060
65	Giuliano and Sons	0.0700	0.0023
67	Flavor Specialties	0.0739	0.0024
98	Chino Desalter II West	2.0730	0.0669
99	Perris Desalter	23.8955	0.7708
100	Chino Desalter II East	29.7346	0.9592
101	Stringfellow	3.4096	0.1100
220	Bonview	8.4843	0.2737
901	Waster Hauler - IEUA	0.2109	0.0068
902	Waster Hauler - EMWD	1.5314	0.0494
903	Waste Hauler - SBVMWD	0.2120	0.0068
904	Waste Hauler - WMWD	0.7641	0.0246
905	Inland Empire Energy Center	12.3855	0.3995
1000	WRCRWA	0.0000	0.0000

*October 2012 Flows - 31 days

**JCSD Celebration stopped discharging in November 2012.

***Enertech stopped discharging in December 2012.

Appendix B
Permitted Industrial and Desalter Emergency Contact List

EMERGENCY CONTACT LIST (Appendix B)

SARI USER	CONTACT NAME	TITLE	PHONE #			EMAIL
			OFFICE #	HOME #	CELL #	ADDRESS
Reach IV						
CITY OF CORONA GREEN RIVER CONNECTION WTP NO.1 CONNECTION AND TEMESCAL DESALTER		WATER RECLAMATION OFFICE	(951) 736-2238			
		OPERATOR ON DUTY			(951) 830-2396	
		MAINTENANCE STANDBY			(951) 830-2391	
	FRANK GARZA JR.	CHIEF WATER RECLAMATION OPERATOR	(951) 279-3665		(951) 830-2388	frank.garza@ci.corona.ca.us
	TOM MOODY	OPERATIONS MANAGER	(951) 279-3660		(951) 830-2319	tom.moody@ci.corona.ca.us
	JONATHAN DALY	GENERAL MANAGER	(951) 736-2477		(951) 830-1454	jonathan.daly@ci.corona.ca.us
	ADOGA KIHARANGWA	REGULATORY COMPLIANCE SUPERVISOR	(951) 817-5836		(951) 31868216	adoga.kiharangwa@ci.corona.ca.us
	JUSTIN AMON	CHIEF WATER OPERATOR	(951) 736-2481		(951) 953-1338	justin.amon@ci.corona.ca.us
GREEN RIVER GOLF CLUB	JOHN RANGEL	OUTSIDE SERVICES MANAGER	(951) 737-7393 EXT. 113		(909) 229-2862	
	JUDY SAGUCHI	GENERAL MANAGER	(951) 737-7393 EXT. 100		(951) 271-0061	
Reach IV-A						
CALIFORNIA INSTITUTION FOR MEN	ROBERT NOBLES	CORRECTIONAL PLANT MANAGER II	(909) 597-1821		(909) 927-7852	robert.nobles@cdcr.ca.gov
	LARRY DIMOCK	CHIEF PLANT OPERATOR	(909) 606-7132			
MISSION LINEN SUPPLY	VIET PHAM	CHIEF ENGINEER I			(909) 772-0062	
		24 HOUR PLANT ACCESS	(909) 364-8727			
	BEN STRASSHOFFER	GENERAL MANAGER			(909) 772-1870	
OLS ENERGY		SHIFT SUPERVISOR	(909) 597-0338			
	WILLIAM WIMER	PLANT MANAGER			(909) 615-1248	
RP5-SOLIDS HANDLING FACILITY	ALFREDO FERRIN	OPERATIONS SUPERVISOR	(909)393-6511		(909) 600-6708	
	JEFF MUMMERT	OPERATIONS SUPERVISOR			(909) 561-6254	
REPET	RICHARD DIAZ	PRODUCTION MANAGER	(909) 489-8071			
	RAUL BAYTON	PRODUCTION SUPERVISOR	(909) 509-1958			
	JOE ESCOBEDO	PRODUCTION SUPERVISOR	(909) 242-4133			
	DANIEL BARRIENTOS	PRODUCTION SUPERVISOR	(213) 361-0640			
Reach IV-B						
ARAMARK	ALVARO CONTRERAS	CHIEF ENGINEER	(951) 274-9622		(619) 274-3521	alvaro.contreras@uniform.aramark.com
	PATRICK PATTISON	PRODUCTION SUPERVISOR	(951) 274-9622		(760) 403-5633	
	GLEN WOODS	PRODUCTION SUPERVISOR - NIGHTS	(951) 274-9622		(909) 800-4300	
	LISA TOMASON	GROUP CONTROLLER			(626) 232-5041	
	LARRY LEAL	GROUP ENGINEER	(951) 274-9622		(714) 325-4308	
	GENE WEST	GROUP MANAGER	(951) 274-9622		(909) 806-9200	
	JOSE CARDENAS	PRODUCTION MANAGER	(951) 274-9622		(951) 965-1030	
	DAVE BARKER	VP LA GROUP			(949) 943-2464	
	VAUGHN AUSTIN	GM	(951) 274-9622		(503) 780-4271	vaughn.austin@uniform.aramark.com
ARLINGTON DESALTER	RAY MARSHALL	SENIOR OPERATIONS TECH	(951) 353-9645	(951) 653-8769	(951) 201-2103	arlington@wmwd.com
	SCOTT MCANALLY	OPERATIONS TECH	(951) 353-9645	(951) 654-3053	(951) 663-5482	
	GERRY CABALLERO	OPERATIONS MANAGER	(951) 789-5119	(951) 789-5739	(951) 809-2424	gcabellero@wmwd.com
		24-HR EMERGENCY #	(951) 789-5109			
CALIFORNIA REHABILITATION CENTER	ERNEST MARTINEZ	CORRECTIONAL PLANT SUPERVISOR	(951) 737-2683 x4400			
	DAVID HUSKEY	CHIEF ENGINEER	(951) 737-2683 X4408		(909) 208-8269	
	HECTOR LOPEZ	CORRECTIONAL BUSINESS MANAGER	(951) 737-2683 X2982		(951) 712-3183	
	SINGH RAI	CHIEF ENGINEER	(951) 737-2683 x4407		(951) 928-5552	
	AMOS NICHOLS		(951) 737-2683 X2308			
	DENNIS ELLISON	FIRE CHIEF	(951) 737-2683 X2915		(951) 538-9411	
		WATCH COMMANDER	(951) 273-2929			
CALIFORNIA SCHOOL FOR THE DEAF - RIVERSIDE	CURTIS MIRACLE	CHIEF OF OPERATIONS	(951) 248-7700 x6612		(909) 821-0378	
	RAY GONZALEZ	CHIEF ENGINEER	(951) 248-7700 x6624		(951) 897-2602	ragonzales@csdr-cde.ca.gov
CORONA ENERGY PARTNERS	WAYNE THOMSON	O & M SUPERVISOR	(951) 272-0612 x12	(951) 352-2766	(951) 452-3216	wthomson@camsops.com
	WAYNE KAWAMOTO	PLANT MANAGER	(951) 272-0612 x14	(714) 838-3291	(714) 262-2650	wkawamoto@camsops.com
CORONA REGIONAL MEDICAL CENTER	GREG WATT	DIRECTOR OF PLANT OPERATIONS	(951) 737-4343 x4237		(714) 686-1337	
	MARK LEE	PLANT MAINTENANCE MANAGER	(951) 893-6004		(951) 504-7336 (pgr)	
CORONA RESOURCE RECOVERY	RICHARD EASTMAN				(760) 803-7238	
	LARRY EDWARDS		(951) 493-4778		(951) 830-4112	
DFA	LARRY EDWARDS	DISTILLED WATER PLANT SUPERVISOR	(951) 493-4778		(951) 830-4112	laedwards@dfamilk.com
	DERMOT O'BRIEN	GENERAL MANAGER	(951) 493-4702		(951) 212-1464	
	CARL COCHRANE	PLANT OPERATOR	(951) 493-4790		(951) 870-1845	
DART CONTAINER	LARRY EISENHAUER	FACILITY MANAGER	(951) 735-8115			
		ON-DUTY PRODUCTION SHIFT SUPERVISOR	(951) 735-8116			
	BOB WILLMAN		(951) 735-8115			bob_willman@dart.biz
	LEE MARKLEY	REGIONAL EH&S MANAGER	(951) 735-8115 x5016		(951) 532-2282	lee_markley@dart.biz
DECRA ROOFING	DAVID ELDRIDGE	TECHNICAL & QUALITY MANAGER	(951) 272-8180 x210		(951) 532-4618	deldredge@decra.com
	KEVIN PELKA	MANUFACTURING MANAGER	(951) 272-8180 x235		(951) 496-0954	
	JESSE MARINELARENA	MAINTANENCE MANAGER			(951) 515-0959	
	TODD GUIMOND	EHS MANAGER	(951) 272-8180 x230		(951) 833-5004	

EMERGENCY CONTACT LIST (Appendix B)

SARI USER	CONTACT NAME	TITLE	PHONE #			EMAIL
			OFFICE #	HOME #	CELL #	ADDRESS
Reach IV-B (cont'd)						
FRUTAROM/FLAVOR SPECIALTIES	MATT HOLLISTER	QA	(951) 734-6620		(909) 222-3230	mhollister@frutarom.com
	DENISE KARANZIAS	PURCHASING	(951) 734-6620		(714) 473-0312	
	GENARO RAMIREZ	PRODUCTION	(951) 734-6620			
	NOE RAMIREZ	SHIPPING/RECEIVING	(951) 734-6620			
	JUAN SANJUAN	MAINTANENCE	(951) 734-6620		(714) 473-4911	
FOOD FOR LIFE BAKING, CO.	LARRY ELLIS		(951) 279-5090 x24		(951) 541-1838	
	CHARLIE TORRES				(951) 707-9075	
	GENERO GOMEZ				(909) 938-3272	
FRESH & EASY FOODS	TOM JANTZEN	EH&S MANAGER	(951) 488-3510		(310) 647-7216	thomas.jantzen@freshandeasy.com
	SCOTT BARTHOL	ENGINEERING MANAGER	(951) 488-3503		(424) 675-0027	
	BILLY BARASCH	EH&S	(951) 488-3586		(310) 254-7171	
FRONTIER ALUMINUM	KENNETH CHAN	PLANT MANAGER	(951) 735-1770		(951) 712-3550	
	RICHARD GUTIERREZ	DIE SHOP MANAGER	(951) 735-1770		(951) 232-6803	
	RAFAEL AGUILAR	MAINTENANCE SUPERVISOR	(951) 735-1770		(951) 232-6937	
	RON PAEZ	ENVIRONMENTAL CONSULTANT	(909) 798-5128		(909) 553-5720	r.paez@suronsolutions.com
GIULIANO & SONS BRINERS	CURTIS BELK		(909) 877-1819		(951) 295-1576	cbelk@verizon.net
	REYMUNDO CRUZ		(909) 877-1819		(951) 966-2526	genebelkbriners@gmail.com
	COREY GIULIANO		(714) 895-9661			
LA SIERRA UNIVERSITY	AL VALDEZ	DIRECTOR	(951) 785-2113		(951) 236-7095	
	ZOREH AFSHAR	ASSOCIATE DIRECTOR	(951) 785-2114		(949) 433-9526	
NUTRILITE	KELLY LEACH	EHS COORIDNATOR	(714) 562-1835		(714) 397-8706	
	KATHYRN HUBBARD		(714) 562-1829		(714) 466-0863	
	JULIEN OLLIVIERRE	EHS SUPPERVISOR	(714) 562-1830		(714) 975-3488	
PRUDENTIAL OVERALL SUPPLY	LEE TERRY	ENVIRONMENTAL AND SAFETY DIRECTOR	(949) 250-4850 x262			
	DAVE HARDER	MAINTENANCE SUPERVISOR	(951) 687-0440			
	JAY BOYER	GENERAL MANAGER	(951) 687-0440			
	ROB ELKINS	PLANT SUPERINTENDANT	(951) 687-0440			
QUALIFIED MOBILE	JOHN BERRYMAN	PRESIDENT	(951) 549-8383		(714) 356-8009	johnberryman@mygmi.com
	GIL BASTIEN	CFO	(951) 549-8383		(951) 515-0277	gilbastien@mygmi.com
SIERRA ALUMINUM	NARO KUCH	ENVIRONMENTAL MANAGER	(951) 934-4014	(951) 245-4547		nkuch@sierraaluminum.com
	SHAYNE SEEVER	V.P. OF ADMINISTRATION	(951) 934-4030	(909) 463-4066	(909) 730-9862	
TRIPLE H	RICHARD HARRIS	VICE PRESIDENT	(951) 352-5700		(951) 233-6052	rharris@triplehfoods.com
	TOMMY HARRIS	OPERATIONS MANAGER	(951) 352-5700		(951) 675-6795	
	MIKE ELSMAN	PLANNER	(951) 352-5700		(951) 496-1887	
WRCRWA	BILL BEAM	OPERATIONS SUPERVISOR, CHIEF PLANT OPERATOR	(951) 789-5114		Press 7 on VoiceMail	bbeam@wmwd.com
	GREG SNYDER	OPERATIONS SUPERVISOR	(951) 789-5131	(760) 868-8629	(951) 956-0411	gsnyder@wmwd.com
		24-HR EMERGENCY #	(951) 789-5109			
Reach IV-D						
CALIFORNIA INSTITUTION FOR WOMEN	JOHN DICKSON	CORRECTIONAL PLANT MANAGER	(909) 606-4957		(909) 841-5143	john.dickson@cdcr.ca.gov
	WAYNE POFF	CORRECTIONAL PLANT SUPERVISOR	(909) 606-4944		(951) 453-7568	
	JOHN WITT	CHIEF ENGINEER I	(909) 597-1771 EXT. 7343			
CHINO DEVELOPMENT CORP.	JASON MILLER	PROJECT MANAGER	(909) 946-7521		(909) 223-2098	
	TOM DE AVILA	CONSTRUCTION MANAGER			(909) 618-5706	
CHINO I DESALTER	MOUSTAFA ALY	CHIEF PLANT OPERATOR	(909) 597-9331		(909) 732-3005	maly@ieua.org
	RANDY LEE	IEUA EXECUTIVE MANAGER OF OPERATIONS (ACTING)	(909) 993-1844		(909) 732-1844	rlee@ieua.org
	BRIAN DICKINSON	CDA OPERATIONS MANAGER	(909) 240-8110		(909) 240-8110	
CHINO II DESALTER	TODD MINTEN	INTERIM CHIEF PLANT OPERATOR	(951) 685-7434		(951) 830-1421	
	STEVE IBACH	PLANT OPERATOR	(951) 538-0522		(909) 709-7991	
	BRIAN DICKINSON	CDA OPERATIONS MANAGER	(909) 218-3731		(909) 240-8110	
	CURTIS D. PAXTON	CDA GENERAL MANAGER/C.E.O.			(661) 361-8400	
JCSD		DISTRICT MAIN NUMBER	(951) 685-7434			
	DAN DUCASSE	SEWER OPERATIONS MANAGER	(951) 685-7434 x107		(951) 660-6973	dducasse@jcsd.us
	LUKE MATSON	SEWER FOREMAN	(951) 685-7434 x103		(951) 830-4421	lmatson@jcsd.us
	TODD MINTEN	WATER OPERATIONS and FACILITIES MANAGER	(951) 685-7434 x507		(951) 830-1421	tminten@jcsd.us
	ROBERT TOCK	DIRECTOR OF ENGINEERING & OPERATIONS	(951) 685-7434 x510		(909) 226-6988	rtock@jcsd.us
		SEWER DUTY OPERATOR			(951) 830-3533	
		WATER DUTY OPERATOR			(951) 830-1423	
RCSD ANITA B. SMITH DESLATER	LEE BUGBEE	SYSTEMS OPERATOR II			(951) 203-9932	lbugbee@rcsd.org
	ED MARTINEZ	SYSTEMS OPERATOR I			(951) 323-8355	
	STEVEN APPEL	ASSISTANT GM/ DISTRICT ENGINEER	(951) 684-7580		(951) 202-2722	steve@rcsd.org
	DAN BALLOW	UTILITY SYSTEMS MANAGER			(951) 323-5577	
STRINGFELLOW PRETREATMENT FACILITY	ZIGGY KOSTECKI	DTSC	(951) 360-6942	(951) 684-7959	(909) 917-1235	zkosteck@dtsc.ca.gov
	JIGNESH LADHAWALA	VEOLIA	(951) 681-3831			
	TEJ PAHWA	DTSC	(916) 255-6548	(916) 872-8687	(916) 947-7226	

EMERGENCY CONTACT LIST (Appendix B)

SARI USER	CONTACT NAME	TITLE	PHONE #			EMAIL
			OFFICE #	HOME #	CELL #	ADDRESS
Reach IV-E						
AGUA MANSA	WAYNE FERAGEN	PLANT MANAGER	(909) 825-1679	(951) 734-2447	(909) 841-6880	wferagen@noresco.com
	DAVID JIRON	LEAD OPERATOR	(909) 825-1679	(909) 883-2377	(909) 841-6933	djiron@noresco.com
	ERICK TUCKER	OPERATOR 1	(909) 825-1679	(909) 790-9868	(909) 841-6927	
	BILL GREER	OPERATOR 2	(909) 825-1679	(951) 837-3523	(909) 841-6925	
	CONTROL ROOM		(909) 430-0928			
ENERTECH	PETE TOWNSEND	PLANT MANAGER	(909) 546-1280		(909) 653-8515	
	RUS MILLER	GENERAL MANAGER	(909) 546-1530		(949) 235-8677	
	DANNY KNIGHT	LEAD OPERATOR			(909) 685-8343	
	NATHANIEL WOODS	ENVIRONMENTAL LAB TECH			(760) 985-0030	
		CONTROL ROOM (SHIFT SUPERVISOR)			(909) 653-8510	
MOUNTAINVIEW POWER COMPANY LLC.	KIMBERLY BROWN	SAFETY & ENVIRONMENTAL SPECIALIST	(909) 478-1721		(909) 771-9956	kimberly.brown@sce.com
	CONTROL ROOM	OPERATOR	(909) 478-1738			
		SHIFT SUPERVISOR	(909) 478-1739			
SBMWD	JOHN CLAUS	DIRECTOR	(909) 384-5502		(909) 770-2910	claus_jo@sbcitywater.org
	ANDY COADY	ENVIRONMENTAL CONTROL OFFICER	(909) 384-5507		(909) 379-2597	coady_an@sbcitywater.org
		EMERGENCY PHONE # AFTER HOURS	(909) 384-5236			
REACH V						
WELLINGTON FOODS	ANTHONY HARNACK JR	PRESIDENT	(951) 547-7000 X252		(714) 504-1371	tonyh2@wellingtonfoods.com
	JUAN CASTRO	PLANT ENGINEER	(951) 547-7000 X114	(562) 595-7310	(562) 896-4359	juanc@wellingtonfoods.com
	JIM MULVANEY	CFO	(951) 547-7000 X257		(949) 278-9767	jimm@wellingtonfoods.com
	JIMMY SARENANA	PRODUCTION MANAGER	(951) 547-7000 X138		(323) 365-1386	jimmyserenana@wellingtonfoods.com
AGENCIES						
EMWD	BECKY RATHBONE		(951) 928-3777 x6242			
	ALFRED JAVIER		(951) 928-3777 x6327			
	GREGG MURRAY				(951) 202-0632	murrayg@emwd.org
		AFTER HOURS EMERGENCY #	(951) 928-3777 x6265			
IEUA	PARIVASH DEZHAM	PRETREATMENT AND SOURCE CONTROL MANAGER	(909) 993-1650		(949) 374-0511	pdezham@ieua.org
	CRAIG PROCTOR	PRETREATMENT AND SOURCE CONTROL SUPERVISOR	(909) 993-1645		(909) 573-5709	cproctor@ieua.org
		MAIN PHONE LINE	(909) 993-1600			
		24-HR COLLECTIONS SYSTEM OPERATIONS	(951) 675-1131			
OCSD						
		OPERATIONS CONTROL CENTER	(714) 593-7025			
SAWPA		AFTER HOURS EMERGENCY #	(951) 324-8680			
	RICH HALLER	EXECUTIVE MANAGER	(951) 354-4240		(909) 841-6998	rhaller@sawpa.org
	DAVID RUHL	PROGRAM MANAGER	(951) 354-4223		(951) 538-3250	druhl@sawpa.org
	CARLOS QUINTERO	PROJECT MANAGER	(951) 354-4234		(951) 941-7611	cquintero@sawpa.org
	ED ACOSTA	OPERATIONS SUPERINTENDENT	(951) 354-4242		(909) 772-3489	eacosta@sawpa.org
	JIM GUSMAN	ASSISTANT OPERATIONS SUPERINTENDENT	(951) 354-4244		(951) 215-9611	jgusman@sawpa.org
	MATT STEWART	BRINE LINE PIPELINE OPERATOR	(951) 354-4242		(909) 436-9533	mstewart@sawpa.org
SBVMWD	BOB TINCHER	ENGINEERING MANAGER	(909) 387-9215			bobt@sbvmwd.com
		AFTER HOURS	(909) 354-5108			
WMWD	GREG SNYDER	OPERATIONS SUPERVISOR	(951) 789-5131	(760) 868-8629	(951) 956-0411	gsnyder@wmwd.com
	FRED KIPFER			(909) 349-1729	(909) 549-5939	fkipfer@wmwd.com
	ALEX CHANG			(951) 830-8206	(951) 712-3070	
		24-HR EMERGENCY #	(951) 789-5109			

Appendix C
Bypass Pumping Information

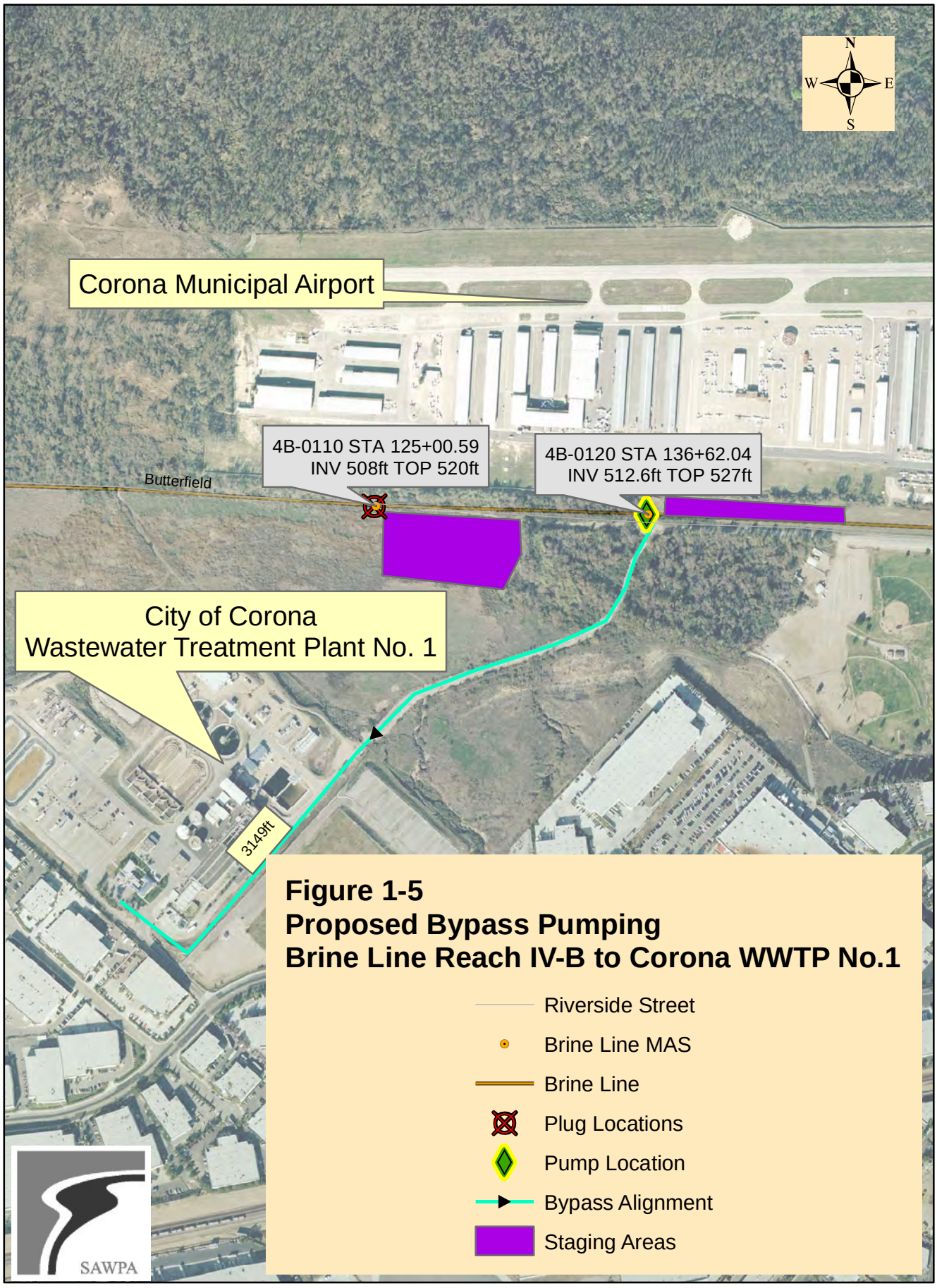


Figure 1-5
Proposed Bypass Pumping
Brine Line Reach IV-B to Corona WWTP No.1

- Riverside Street
- Brine Line MAS
- Brine Line
- Plug Locations
- Pump Location
- Bypass Alignment
- Staging Areas

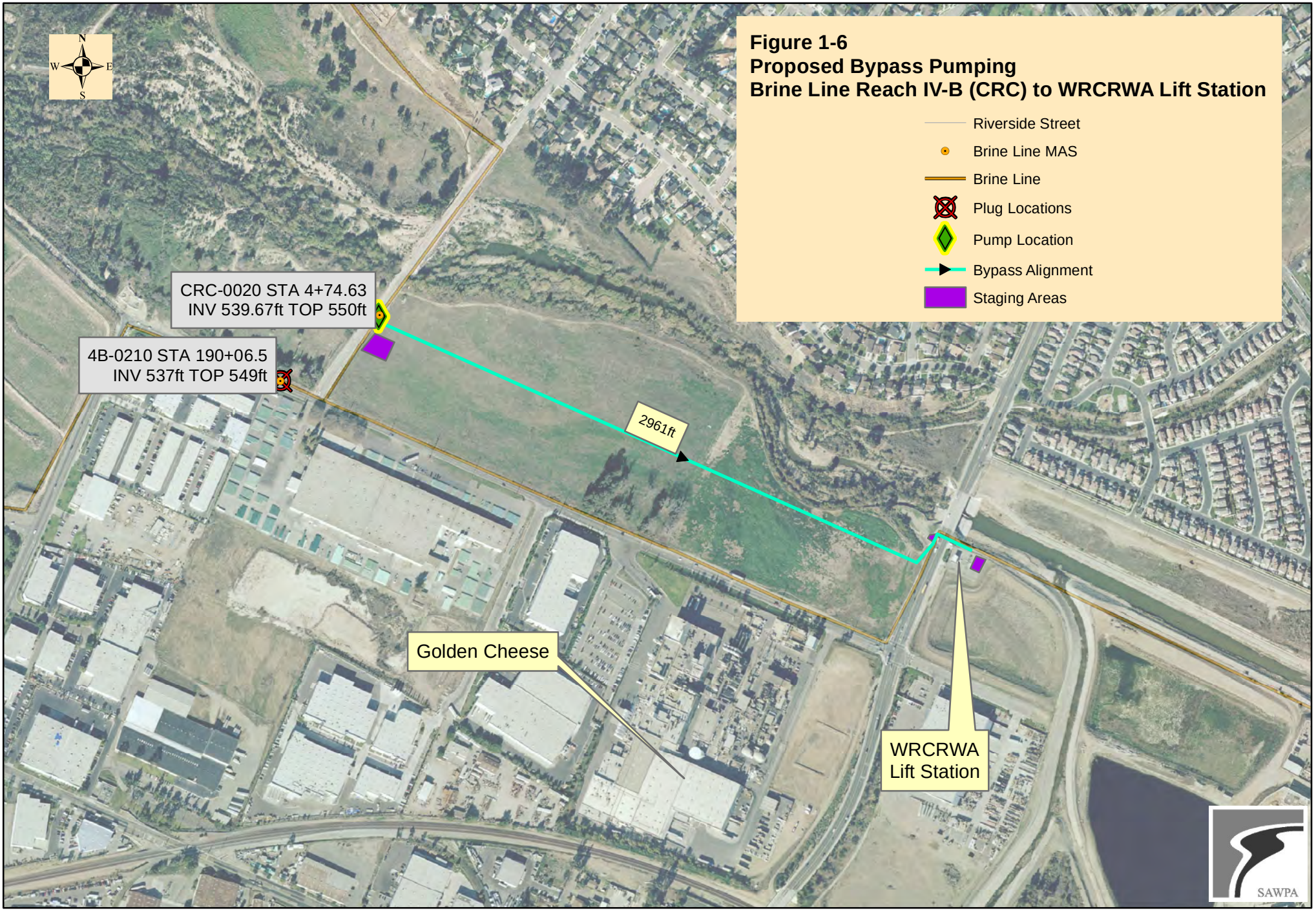
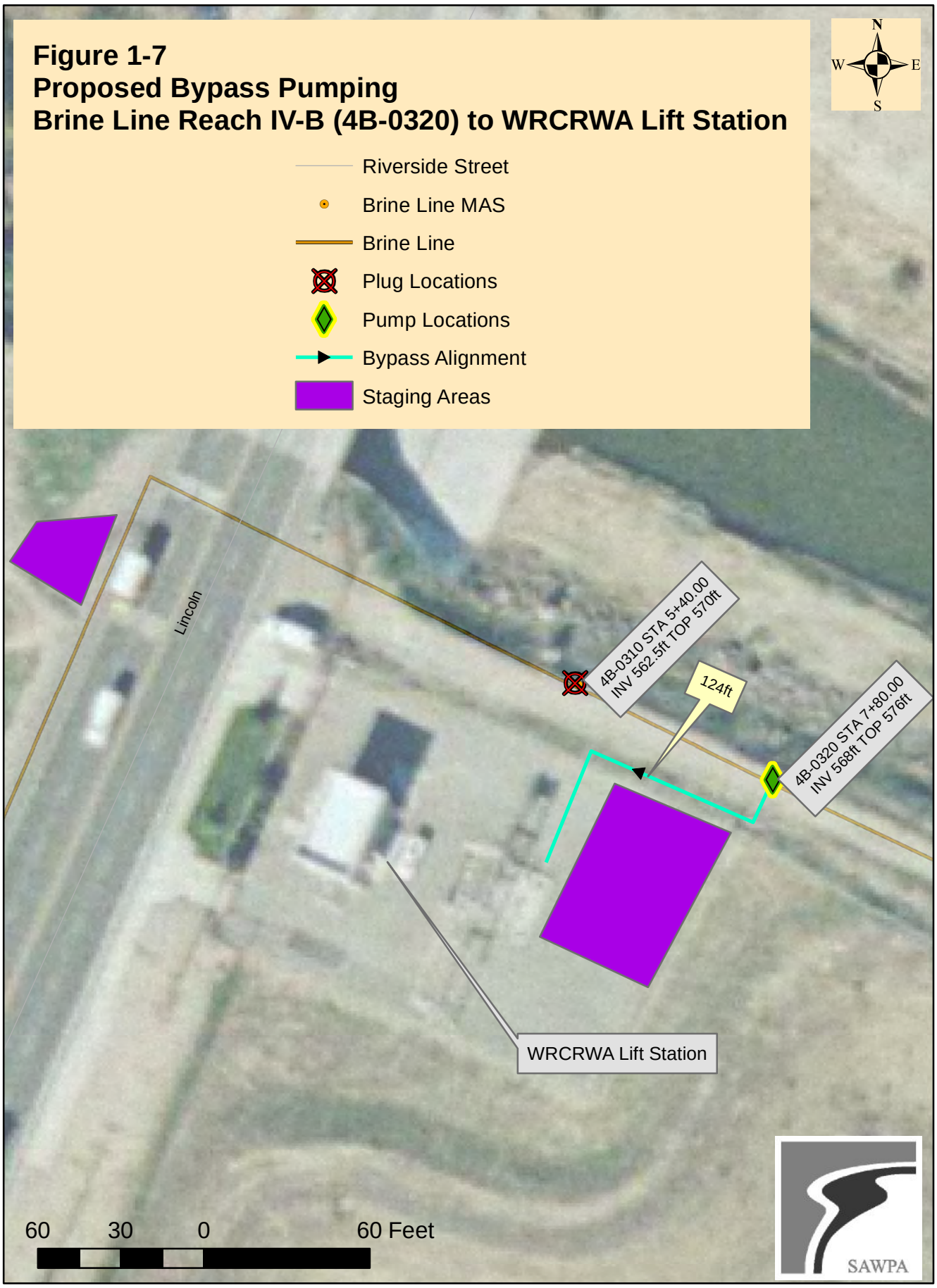


Figure 1-6
Proposed Bypass Pumping
Brine Line Reach IV-B (CRC) to WRCRWA Lift Station
Riverside Street
Brine Line MAS
Brine Line
Plug Locations
Pump Location
Bypass Alignment
Staging Areas
CRC-0020 STA 4+74.63
INV 539.67ft TOP 550ft
4B-0210 STA 190+06.5
INV 537ft TOP 549ft
2961ft
Golden Cheese
WRCRWA
Lift Station
N
W
E
S
SAWPA

Figure 1-7
Proposed Bypass Pumping
Brine Line Reach IV-B (4B-0320) to WRCRWA Lift Station



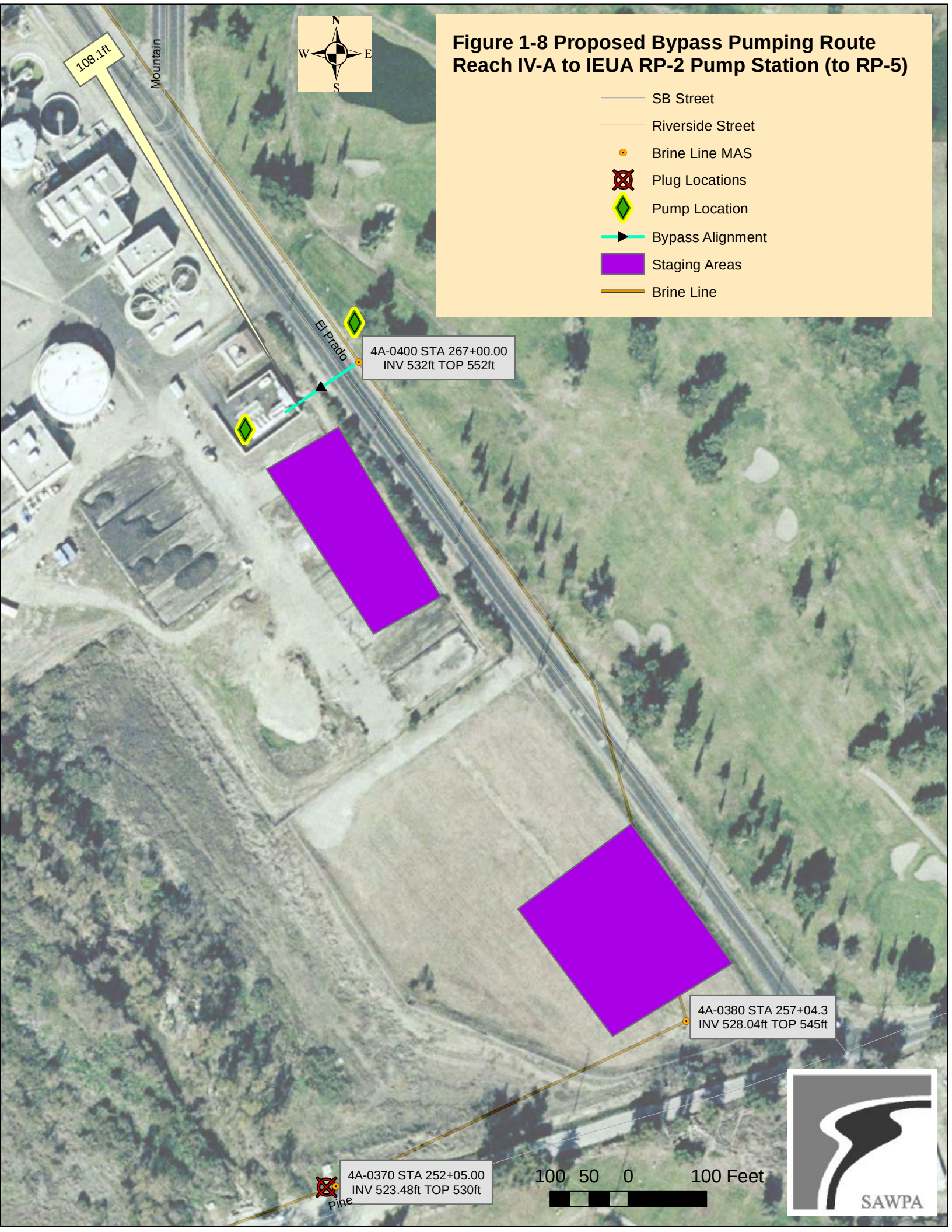


Figure 1-8 Proposed Bypass Pumping Route
Reach IV-A to IEUA RP-2 Pump Station (to RP-5)
SB Street
Riverside Street
Brine Line MAS
Plug Locations
Pump Location
Bypass Alignment
Staging Areas
Brine Line
N
W
E
S
108.1ft
Mountain
El Prado
4A-0400 STA 267+00.00
INV 532ft TOP 552ft
4A-0380 STA 257+04.3
INV 528.04ft TOP 545ft
4A-0370 STA 252+05.00
INV 523.48ft TOP 530ft
Pine
100 50 0 100 Feet
SAWPA

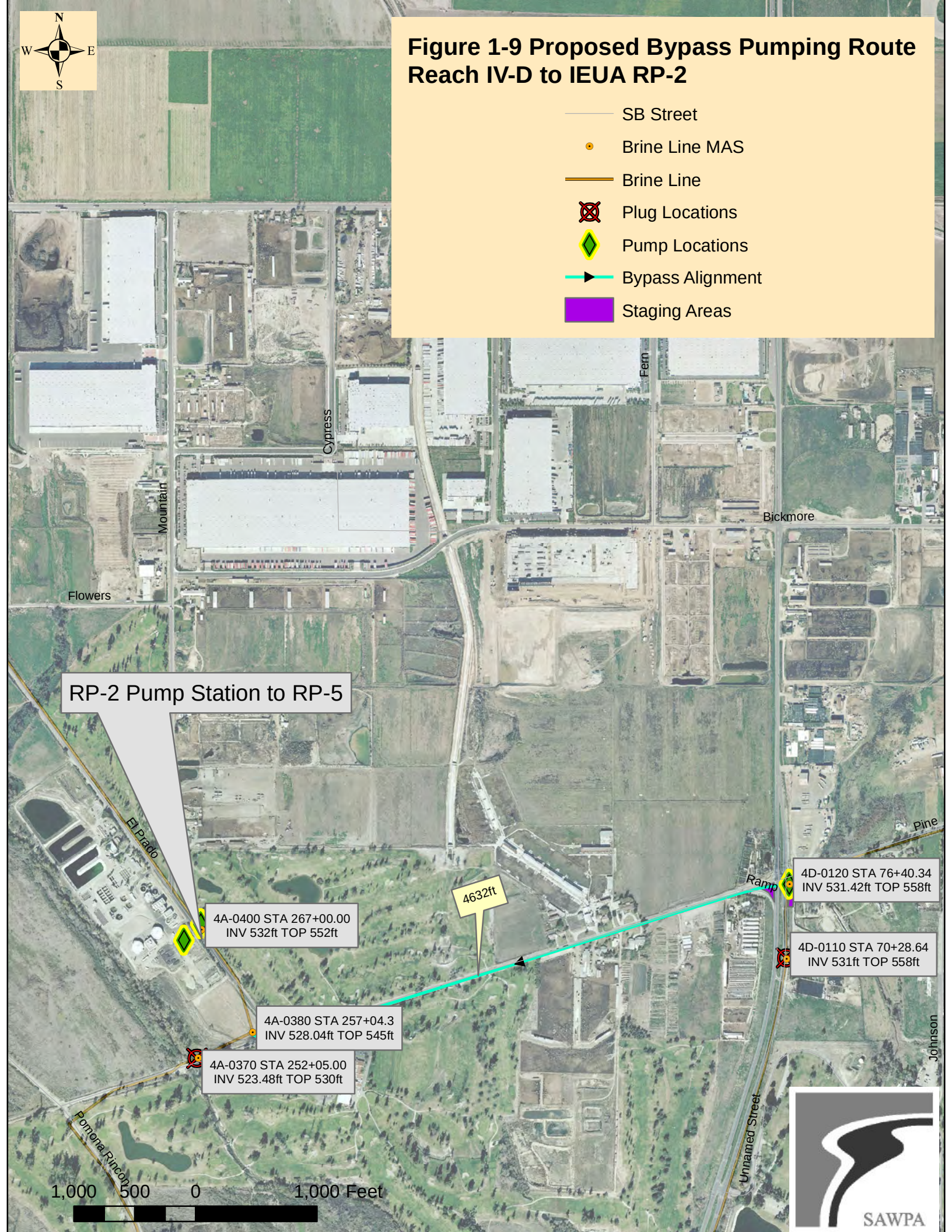


Figure 1-9 Proposed Bypass Pumping Route
Reach IV-D to IEUA RP-2
SB Street
Brine Line MAS
Brine Line
Plug Locations
Pump Locations
Bypass Alignment
Staging Areas
N
W
E
S
Cypress
Fern
Mountain
Bickmore
Flowers
RP-2 Pump Station to RP-5
El Prado
Pine
Ramp
4632ft
4A-0400 STA 267+00.00
INV 532ft TOP 552ft
4D-0120 STA 76+40.34
INV 531.42ft TOP 558ft
4D-0110 STA 70+28.64
INV 531ft TOP 558ft
4A-0380 STA 257+04.3
INV 528.04ft TOP 545ft
4A-0370 STA 252+05.00
INV 523.48ft TOP 530ft
Johnson
Unnamed Street
Pomona Rincon
1,000 500 0 1,000 Feet
SAWPA

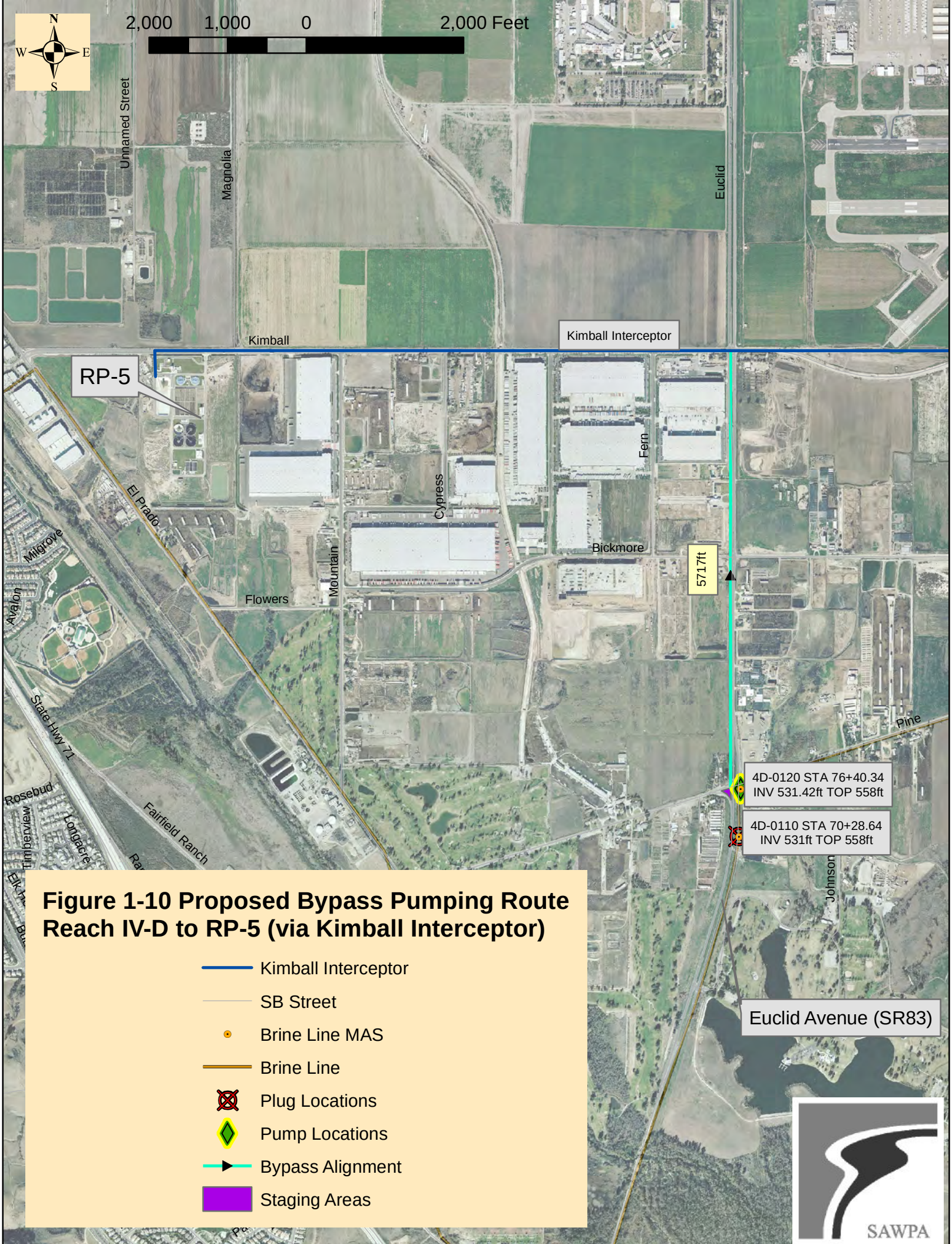
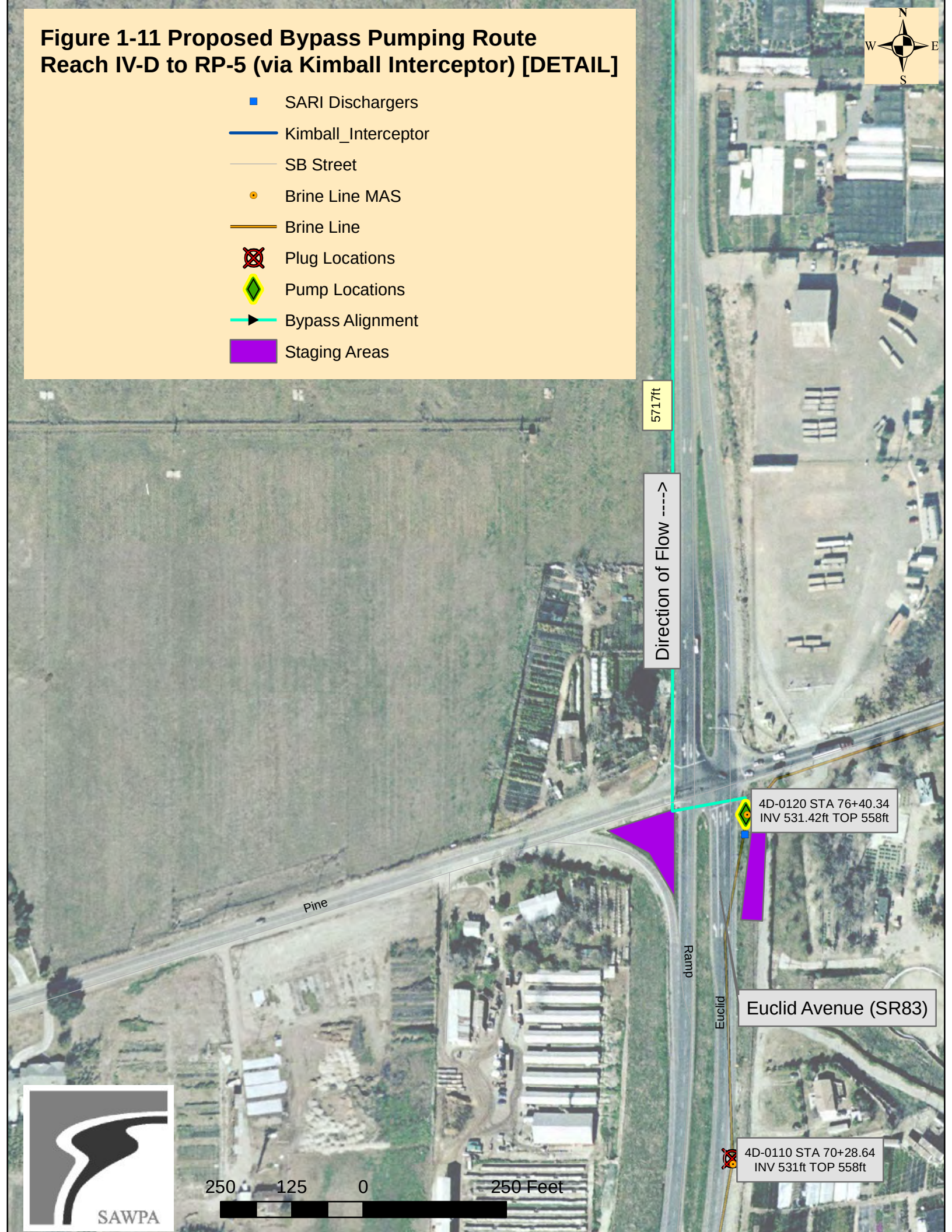

N
W
E
S
2,000
1,000
0
2,000 Feet
Unnamed Street
Magnolia
Euclid
Kimball
Kimball Interceptor
RP-5
El Prado
Cypress
Fern
Bickmore
Mountain
Flowers
Milgrove
Avalon
5717ft
State Hwy 71
Rosebud
Timberview
Longacre
Fairfield Ranch
Pine
Johnson
4D-0120 STA 76+40.34
INV 531.42ft TOP 558ft
4D-0110 STA 70+28.64
INV 531ft TOP 558ft
Euclid Avenue (SR83)
Figure 1-10 Proposed Bypass Pumping Route
Reach IV-D to RP-5 (via Kimball Interceptor)
Kimball Interceptor
SB Street
Brine Line MAS
Brine Line
Plug Locations
Pump Locations
Bypass Alignment
Staging Areas
SAWPA

Figure 1-11 Proposed Bypass Pumping Route Reach IV-D to RP-5 (via Kimball Interceptor) [DETAIL]



Appendix D
Contractors and Suppliers

Bypass Pumping Contractors		
Company	**Contact**	**Equipment**
Foothill Engineering & Dewatering Corona	Wyndell Bradford 951/737-5391	• Steel and PVC bypass piping • Variety of diesel and electric pumps • Most pipe in stock is 12" dia. • Largest pipe dia. Is 16"
Godwin Pumps of America, Inc. Corona (951) 681-3636	James Rufing 562/572-4738 (cell) 951/681-3636	• Various bypass equipment and materials • Bower-type couplings (large joint deflection capabilities) • Fused HDPE bypass piping
Rain for Rent Riverside	Jeffrey Sowards 951/653-2171 Pat Galbraith (Orange Co.) 619/235-8265	▪ Various bypass equipment and materials ▪ Aluminum piping w/Victaulic couplings ▪ Numerous equipment yards nationwide to draw from
Charles King Co. Signal Hill	Butch King 562/426-2974	• 10,000-ft flexible 6" PVC pipe • 8" and 10" electric and diesel pumps • Two 16" sound-attenuated diesel pumps (10,000 gpm)

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Ababa Bolt Inc.	Lou 619/440-1781 619/440-5371 Fax	1466 Pioneer Way, Suite #1 El Cajon, CA 92020-1678
	Kevin Chappell Branch Manager 760/546-1781	880 Rancheros Drive San Marcos, CA 92069-2688
Action Valve & Fittings, Inc. (WBE)	Katherine McPherson 619/425-7950 619/425-3469 Fax	117 Press Lane Chula Vista, CA 91910
Advanced Sealing & Supply Co., Inc.	13452 Alondra Blvd. Cerritos, CA 90703	562/805-7782
	Bakersfield, CA 93301	661/393-1177
Advance Products & Systems, Inc.	Allison C. 337/233-6116 337/232-3860 Fax	P.O. Box 60399 Lafayette, LA 70596-0399
Aerospace Supply, Inc.	Jana Ziebarth - Sales Larry Jach – VP Tech Sales 619/278-4241 619/278-9232 Fax	7747 Opportunity Road San Diego, CA 92111
Aldrich Supply Co.	Curt Hanks 909/371-3018 909/272-3204 Fax	1275-A Railroad Street, Ste. A Corona, CA 92882
	Bill Corey - Sales Representative 562/653-9644 562/653-9544 Fax	10929 South Street, #105B Cerritos, CA 90703-5350

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
American Ductile Iron Pipe	Jerry Burns 205/325/7774 205/325-1972 Fax	P.O. Box 2727 Birmingham, AL 35202
	Patrick Hamilton - District Mgr Rosemary Smud - NW, CA Joe Barik – AZ	18377Stanislaus Street Fountain Valley, CA 92708
Ameron Concrete & Steel Pipe Division	Ken Primavera 209/836-5050 x269 209/832-2115 Fax	10100 West Linne Road Tracy, CA 95376
Apco Valve & Primer Corporation (WBE)	Keith Hall – Western Regional Sales Robert Mauriello - VP 949/361-9900 949/361-3414 Fax	1100 Via Callejon San Clemente, CA 92673-6230
Automatic Switch Co.	714/937-0811 714/937-1390	333 City Blvd. West, Ste. 2140 Orange, CA 92868
Baker Company	207/324-8773 207-324-3869	P.O. Box Drawer E 161 Gatehouse Road Sanford, Maine
Bakersfield Pipe & Supply	Dwight Byron - CEO 661/589-9141 661/589-3739 Fax	2903 Patton Way P.O. Box 639 Bakersfield, CA 93302
Berg-Nelson Co.	Craig Nelson 562/432-3491	1633 West 17th Street Long Beach, CA 90813
J.R. Bermingham Co., Inc.	Eddie Bonner 714/632-9370 714/632-7862 Fax	3164 E. La Palma Anaheim, CA 92806
Blair-Martin Co., Inc.	Mac Mcgee 562/595-8773 562/490-2773 Fax	1500 E. Barnett Signall Hill, CA 90755
Bonanza Nut & Bolt, Inc.	510/471-2130	4786 Sutler Gate Avenue Pleasonton, CA 94566
Brico Industries Inc.	800/322-7426 479/646-1730 479/646-1747 Fax	4601 S. 16th Fort Smith, AZ 72901
Cactus Bolt	Steve Anderson 480/968-1147 480/829-7901	2910 S. Hardy Drive, #104 Tempe, AZ 85282
California Piping Materials	Ron Majerick - President 949/582-2777 949/582-3954 Fax	26941 Cabot Road, Suite 137 Laguna Hills, CA 92653
Cal-State Seal (Expansion Joint Tech Division)	Bill Cloo - Customer Tech Support 800/696-6165 714/554-9080 714/554-9761 Fax	13891 Nautilus Drive Garden Grove, CA 92843
Caltrol	877/827-8131 877/875-3135 Fax	3330 Carlsbad Blvd., #303 Carlsbad, CA 92008

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Capital Westward Systems & Controls Corp	702/566-1334 702/556-8655 Fax	P.O. Box 92710 Henderson, NV 89009
Charlie's Construction Supply (WBE)	Charlie Sheldon 619/748-7037 619/679-9640 Fax	14325 Midland Road Poway, CA 92064
Chemtrol - A Division of Nibco,Inc.	812/256-8500	105 Quality Ct Charlestown, IN 47111
Clow Valve Co.	800/829-2569	902 South 2nd Street Oskaloosa, LA 52577
Clow Water Systems Company	Scott Frank - Sales Mgr., Fab Pipe 740/291-1066 740/622-6651	2266 South Sixth Street P.O. Box 6001 Coshocton, OH 43812-6001
Cm Distributors, Inc. (WBE)	Mary Ann "Bo" Czerwinski Trudy Ann Mangrum 760/745-1497 760/745-4177 Fax	118 South Hale Escondido, CA 92029
Coast Turf & Utility Supply	714/978-6200	2220 E. Orangewood Avenue Anaheim, CA 92806
Columbia Specialty Company, Inc.	Tino Mohammad 562/634-6425 562/408-2914 Fax	16209 Minnesota Avenue P.O. Box 790 Paramount, CA 90723
Conley Corporation	Mark Raley - Inside Sales Mgr 800/331-5502 918/299-5907 Fax	2795 East 91st Street Tulsa, OK 74137
Consumers Pipe & Supply Co. (WBE)	Ray Gonzales – Sales Manager 800/338-7473 909/728-4828 909/728-4829 Fax	10927 Jasmine Street Fontana, CA 92337
Consolidated Pipe & Supply	Miles Benton 205/323-7261 205/251-7838 Fax	1205 Hill Top Parkway Birmingham, AL 35204
Consolidated Stainless Incorporated	800/342-5747	7713 Somerset Blvd Paramount, CA 90723
Crane Valves	707/748-7166	3948 Teal Ct Benicia, CA 94570
Crump & Company	Stephen Crump 626/794-1685 626/577-4488 Fax	P.O. Box 94836 Pasadena, CA 91106

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Davis Waterworks, Inc.	Chris Anderson 702/399-7766	2829 Losee Road North Las Vegas, NV 89030
Richard S. Dawson Co.	Jerry Reynolds 626/797-9710 626/798-4659 Fax	1681 W. Second Street Pomona, CA 91766 Mailing: P.O. Box 6011 Pomona, CA 91769
Dezurik	Roger George - Municipal Sales Manager 320/259-2000 320/259-2227 Fax	250 Riverside Avenue North Sartell, MN 56377-1743
J.B. Donnell Co., Inc.	J. Stewart Henderson - President 949/489-9659 714/586-3372 Fax	24002 Via Fabricante, Unit 309 Mission Viejo, CA 92691
Downey Valve Co.	714/572-1599	3940 Prospect Avenue Yorba Linda, CA 92886
Duhig & Company, Inc.	Albert Marquez - President 760/560-0090 760/560-0098 Fax	2383 La Mirada Drive Vista, CA 92886
	David Aguilar- Sales Engineer Ray Espinoza - Manager 323/263-7161 323/263-3891 Fax	5071 Telegraph Road Los Angeles, CA 90022
Eim Company, Inc.	Mark Delancellotti - West Reg'l Mgr 949/370-0818	1525 Via Tulipan San Clemente, CA 92673
Elmco Sales Co.	626/855-4831 626/369-7174	15070 Proctor Avenue City of Industry, CA 91746
Esco Corporation	323/722-0300 323/724-2446	6415 East Corvette Street Los Angeles, CA 90040-1702
Familian Pipe & Supply	951/676-9339	43244 Rancho Way Temecula, CA 92590
	818/786-9720	7651 Woodman Avenue Panorama City, CA 91402
	619/515-0300	3280 Market Street San Diego, CA 92102
F & F Industries, Inc.	Gene Uhrick 626/791-9441 626/791-9448 Fax	2533 North Fair Oaks Ave., # B Altadena, CA 91001
JD Fields & Company, Inc.	Hank Blanco - Sales 714/257-2005 714/257-2015 Fax	255 W. Central Avenue, Suite 204 Brea, CA 92821
Flexible Metal Hose Co.	Larry Coleman - Nat'l Sales Mgr 770/493-1100 770/493-1410 Fax	2467 Mountain Industrial Blvd Tucker, GA 30085
Flexonics, Inc.	Jim Darling - District Sales Mgr 415/898-3305 415/898-3354 Fax	5 Nogales Court Novato, CA 94947
Flo-Controls, Inc.	303/762-8215	2331 West Hampton Avenue Englewood, CO 80110

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Flowline Services, Inc.	Richard Crook 562/865-7213	8700 Cleta Street Downey, CA 90241
Flomax	Peter Leone 909/477-6800 909/477-6802 Fax	9057 Arrow Route, Suite 140 Rancho Cucamonga, CA 91730
	925/449-5900 925/449-4712 Fax	5981 Graham Court Livermore, CA 94550
Fm Stainless Fasteners	Bill Stahl 800/749-1115 706/636-1882 Fax	328 Maddox Drive Ellijay, Georgia 30540
G.F.I. Stainless	Gorden Fluker - President Steven Fletcher - Inside 800/221-2652 209/571-1684 209/571-2445 Fax	2351 Tenaya Drive, Suite D Modesto, CA 95354
	Greg Garcia 909/340-4444 909/340-4450 Fax	198 Lewis Court Corona, CA 91720
Gifford Hill	Russ 602/258-7514	Phoenix, AZ
Goodall Rubber Company	562/926-9882 562/926-9078	14071 Stage Road Santa Fe Springs, CA 90670
Grinnell Supply Sales Company	Mike Gray - Sales Rep 800/572-0051 619/447-8001	795 Gable Way El Cajon, CA 92020
	800/572-0051 714/773-1166	1600 E. Orangethorpe Avenue Fullerton, CA 92831
Groeniger & Company	Gene Biglione 800/675-7473 559/442-3333 559/226-0858 Fax	2812 South Orange Avenue Fresno, CA 93725-1922
Hajoca Corporation	800/339-3695 559-255-6816 559/255-6495Fax	5540 E. Lamona Suite 101 Fresno, CA 93727
Harrington Industrial Plastics, Inc.	John Kerr – Outside Sales Vrain Ramos - Inside Sales 858/278-9311 858/278-1533 Fax	7557 Convoy Court San Diego, CA 92111
	909/597-8641 909/547-9940 Fax	14480 Yorba Street Chino, CA 91710
	Ryan Scimo - Outside Sales Ryan Diaz - Inside Sales 562/941-1969 562/946-8604 Fax	10440 Ontiveros Place Unit # 2 Santa Fe Springs, CA 90670

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
	Ray Engles - Outside Sales 800/669-5392 916/920-5392 916/920-5303 Fax	4680 Pell Drive Sacramento, CA 95838
	Daniel Estrada - Outside Sales Sean Salinas - office Manager 951/782-0190 951/782-0198 Fax	3403 Durahart Street Riverside, CA 92507
HD Supply	(951) 340-0170	3155 Indian Avenue Perris, CA 92571
Hennesy Mechanical Sales	Pat- Sales 602/996-3444 602/966-9408	201 South 26th Street Phoenix, AZ 85034
Hitachi Maxco. Ltd	T. Walker - Envir Prod, Dept Prod Mgr 800/241-8209 770/424-9350 770/424-9145 Fax	1630 Cobb International Blvd Kennesaw, GA 30152
Hoke Controls	Mike Foster - Sales 800/834-1290 909/923-3770 909/923-3777	2054 E. Francis Street Ontario, CA 91761
Hydro Conduit Corporation	Craig Beatty - Plant Mgr John Robbins - Sales Engineer 951/277-2420 951/277-3006 Fax	23200 Temescal Canyon Road P.O. Box 939 Corona, CA 92883-5041
	George Kerr - Plant Manager 707/255-3035 707/255-3079 Fax	385 Tower Road P.O. Box 3508 Napa, CA 94558
	Stu 602/278-3526	1011 South 43rd Avenue Phoenix, AZ 85009
Hydro-Scape Products, Inc.	John Moore - Golf Sales 858/560-6611	5805 Kearny Mesa Villa Road San Diego, CA 92123
	951/734-3330 951/272-8572 Fax	360 E. Harrison St. Corona CA 92879
Industrial Gasket & Supply Company, Inc.	Rick White - Marketing Mgr 310/530-1771 310/530-9572 Fax	23018 South Normandie Avenue Torrance, CA 90502
Industrial Specialties Ltd. (MBE)	Scott Johnson - Owner 510-527-9591 510-527-9592 Fax	5635-C San Diego Street El Cerrito, CA 94530
Industrial Threaded Products, Inc.	909/466-9445 909/945-2696 Fax	12027 Arrow Route Rancho Cucamonga, CA 91739
	Ronald Futrell – President 562/802-4626 562/802-4641 Fax	13580 Firestone Blvd. Santa Fe Springs, CA 90670

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
	800/976-Bolt (2658) 800/646-4249 Fax	16701 Stagg Street "A" Van Nuys, CA 91406
Industries Supply Co.	Tedd Nicholson Mike Powell Kelli Strawhun 619/515-0300 619/239-4727 Fax	3280 Market Street San Diego, CA 92102
ITT Industries	805/520-7200 805/520-7205 Fax	110 W. Cochran Street, Ste. B Simi Valley, CA 93065
J.D. Sales Co.	310/214-5155 310/214-5151	3547 Voyager Street, Ste. 103 Torrance, Ca 90503
	619/795-0370 619/795-0380 Fax	P.O. Box 880787 San Diego, CA 92168
JL Fastener Co.	Loren Sneary 619/571-1390	7110 Convoy Court San Diego, CA 92111
Johnson Bateman Co.	Bob Johnson 909/980-2293 909/980-4130	5125 Ontario Mills Pkwy Ontario, CA 91764
Jolliff Engineering Corporation	Harvey Jolliff - President Debbie Miller 510/785-8783 510/785-8107 Fax	2211 American Avenue, Suite #2 Hayward, CA 94545
J.U.R.	Jerry Usrey 909/336-2537 909/336-1177 Fax	P.O. Box 4556 Blue Jay, CA 92317
Keenan Supply Division of Hajoca	Debbie Cowan – Sales Rep 909/613-1363 909/613-1173 Fax	1341 Philadelphia St. Pomona, CA 91766
	Ed Hewitt 805/656-2000 805/656-1889 Fax	1853 Palma Drive Ventura, CA 93003
	Wes Roof – Sales Rep 909/885-4455 909/381-4539 Fax	777 West Mill Street San Bernardino, CA 92410
Kelly Pipe	Chuck Phillips - Sales Rep 562/868-0456 562/863-4695 Fax	11680 Bloomfield Avenue Santa Fe Springs, CA 90670
	Doug Fieck 858/279-6102 858/279-6107 Fax	9590 Chesapeake Drive #2 San Diego, CA 92123

Piping Material Suppliers		
Company	**Contact/Phone Number**	**Address**
	Steve Toliver - Sales Rep 800/535-5983 602/256-2990 602/253-6781 Fax	1617 South 40th Ave. Phoenix, AZ 85009
Keystone Sales, Inc. (Main office)	Rex Combs - Municipal Ind.. Spec. Bob Tribble - Sales Mgr 800/352-4376 714/940-8777 714/577-9053 Fax	2131 South Dupont Drive Anaheim, CA 92806
The Kupferle Foundry Company	Ed Clark - Sales Rep 800/231-3990 314/231-8738 314/231-2820 Fax	2511 North 9th St. St. Louis, MO 63102
Liberty Equipment & Supply Co.	Mary Roscoe 619/558-0770 619/558-0721 Fax	8597 Spectrum Lane P.O. Box 262279 San Diego, CA 92121
Lord & Sons	800/233-5673 408/293-1012 Fax	430 East Trimble Rd. San Jose, CA 95131
	800/677-5673 562/529-2445 Fax	9052 Rosecrans Ave. Bellflower, CA 90706
M & N Valve Corporation	Ron Desimone - Sales 800/366-9369 562/609-3922 562/609-1848 Fax	211 East Ocean Blvd. , Ste. 300 Long Beach, CA 90802
Marden Susco, Inc.	760/471-3600 760/471-3609 Fax	1550 West Linda Vista Drive San Marcos, CA 92078
	John Settle - Facility Mgr 951/657-6580 619/471-3638 Fax	3155 Indian Ave. Perris, CA 92571
	Bill Groeniger 800/766-7473 949/888-3385 949/888-3394 Fax	22931 Arroyo Vista Rancho Santa Margarita, CA 92688
Masoneilan Co.	Joe Lewis 562/941-7610 562/941-7810 Fax	12015 Mora Drive, Unit 2 Santa Fe Springs, CA 90670
McJunkin Corporation	805/643-6158 805/643-4697 Fax	3382 N. Ventura Ave. Ventura, CA 93001
	Fred Apodaca - Regional Manager 303/371-2540 303/371-0243 Fax	6475 East 56th Street Commerce City, CO 80022
	Bakersfield Office 661/393-3033 661/393-1862 Fax	3000 Pegasus Drive Bakersfield, CA 93308

Pipe Material Suppliers		
Company	**Contact/Phone Number**	**Address**
M.I.G. Sales Company	Paul Fraser 562/426-3360 562/989-3084 Fax	11578 205th St. Lakewood, CA 90715
Milliken Valve Co., Inc.	Walt Denkowski – Sales Mgr 877/655-6858 610/861-8803 610/861-8094 Fax	2625 Brodhead Road, Ste. 100 Bethlehem, PA 18020
Milwaukee Valve Company, Inc.	Cristine Vogt 262/432-2711 262/432-2701 Fax	16550 West Stratton Drive New Berlin, WI 53151
Samuel Moore Group	800/562-5151	1199 South Chillicothe Road Aurora, OH 44202
Morally Wholesale, Inc.	John Morally 760/726-3996 760/726-1468 Fax	4695 North Ave. Oceanside, CA 92056
	951/253-3996 951/253-3900	18785 Collier Ave. Lake Elsinore, CA 92530
	714/938-9100 714/938-9116	912 E. Arlee Place, Unit D Anaheim, CA 92805
Mueller Steam Specialty	910/865-8241 910/865-8245 Fax	1491 NC Hwy 20 W St. Pauls, NC 28384
Nelson Dunn, Inc.	Ronnie Finley - Sales Rep 323/724-3705 800/635-3866 714/523-9192 Fax	17707 Valley View Ave. Cerritos, CA 90703
Nibco, Inc.	Pamela Erb - Area Sales Mgr 800/234-0227 760/630-3002 Fax	P.O. Box 1579 Carlsbad, CA 92018
Nichols-Given Associates, Inc.	Kevin Noll 303/882-8884 303/773-1401 303/773-1434 Fax	7108 South Alton Parkway, Bldg K Englewood, CO 80112
Northwest Pipe Company	Buddy Sumpter Regional Sales Mgr 503/285-1400 (x 2346) 503/285-1400 503/240-6616 Fax	12005 N. Burgard Portland, OR 97203
	Joe Musil 951/739-4681 760/246-3191 760/246-2292 Fax	12357 Rancho Rd. Adelanto, CA 92301
Frank A. Olsen Company	Dennis Winslow 925/961-8888 (x 109) 925/961-8890	286 Rickenbacker Circle Livermore, CA 94551
Pacific Clay Products, Inc.	Jeremy Reeves 951/514-9068 951/674-2131	14741 Lake St Lake Elsinore, CA 92530

Pipe Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Pacific Coast Bolt Corp	Bob Cole 800/652-6587 562/944-9549 562/944-9360 Fax	12748 East Florence Avenue Santa Fe Springs, CA 90670-4540
Pacific Corrugated Pipe Co.	Nancy Goforth - Operations Manager 800/338-5858 909/829-4235 909/829-8035 Fax	13680 Slover Avenue Fontana, CA 92335
	Dave McInroe 760/732-1444 760/724-3695	5171 Mesa Terrace La Mesa, CA 91941
Pacific Industrial Supply	Mel Rebman Mike Hamilton 951/654-7104 951/654-6114 Fax	24040 Mesa View Street San Jacinto, CA 92582
Pacific Irrigation Supply, Inc.	760/480-0060	900 West Washington Avenue Escondido, CA 92025
Pacific Mechanical Supply	Tarn Victor - Sales Mgr Tyler - Inside Sales 562/921-0575 562/921-9489	13705 Milroy Place Santa Fe Springs, CA 90670
	861/588-3575 661/588-3579 Fax	2721 Fruitvale Ave. Bakersfield, CA 93308
Pacific Petroleum Equipment	Scott Huff - Operations Mgr 800/228-5614 619/275-0180	5465 Gaines Street San Diego, CA 92110
Pacific Pipeline Supply	Robert Mowry 760/471-Pipe 760/471-4650 Fax	366 South Pacific Street San Marcos, CA 92069
Pacific States Cast Iron Pipe Company	Chuck Calder 951/371-1440 951/371-1446 Fax	1375 Magnolia Avenue Corona, CA 91719
Pan American Pipe & Alloy, Inc.	Brett Hunt Jack 915/595-1600 915/595-0207 Fax	840-A Kastrin Street El Paso, TX 79907
Parker Supply Co.	Mike Ingman 213/268-3581 213/268-6095 Fax	7131 Telegraph Road Montebello, CA 90640
Pell Mell Supply, Inc.	Bob Cole 619/238-1633 619/233-6809 Fax	402 West 35th Street, Ste. E National City, CA 91950
Perma-Pipe, Inc.	Jeff Moore 847/966-2235 847/470-1204 Fax	7720 North Lehigh Avenue Niles, IL 60648
	Mike Korb 949/481-7800 949/481-7801 Fax	P.O. Box 73668 San Clemente, CA 92673-0123

Pipe Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Henry Pratt Company	Kelly Brians - District Sales Mgr. 714/832-1090 714/832-1091 Fax	14081 Yorba Street, Suite 109 Tustin, CA 92780
	Dave Burrell 559/261-2703 559/261-2711 Fax	7083 North Cedar Avenue, Ste. 304 Fresno, CA 93720
(Factory)	Ed Schutz 630/844-4000 630/844-4124 Fax	401 South Highland Avenue Aurora, IL 60506-5563
Puget Sound Pipe & Supply Co.	714/739-7100 714/739-7007 Fax	7665 Granada Drive Buena Park, CA 90621
Rain For Rent	800/742-7246	
R & D Fasteners, Inc.	Jeff Curtis 909/481-0799 909/481-0149 Fax	9444 9th Street Rancho Cucamonga, CA 91730
Raychem Corporation	415/361-3333 415/361-7911	300 Constitution Dr., Menlo Park, CA 94025-1164
Reliable Pipe Supply Co., Inc.	Gary Meese 619/233-0118 619/544-0162 Fax	1430 National Avenue P.O. Box 522 San Diego, CA 92112
Republic Supply Company of Cal A Division of McJunkin Corp.	Jimmy Reynolds - Branch Manager 619/263-6621 619/474-7548 Fax	3101 Hoover Avenue National City, CA 92050
	Jim Leachman - Regional Manager 213/518-3999 213/518-1405 Fax	23803 South Wilmington Avenue Carson, CA 90745
	Richard Cook - Branch Manager 714/356-2033 714/356-6625 Fax	14591 Andel Street Fontana, CA 92335
	Will Humbert - Branch Manager 714/639-7855	745 North Hariton Street Orange, CA 92668
R.M.B. Engineering & Sales	George Allen 714/539-0474 714/539-6224 Fax	12215 Brookhurst Street, Ste. 200 Garden Grove, Ca 92840
RPS Industries	213/921-7200 213/921-4199 Fax	13235 Rosecrans Avenue Santa Fe Springs, CA 90670
Rubber Supply Company	Rocky Frie 800/553-4673 323/870-7761	3971 Landmark Street Culver City, CA 90232-2376
Ryan Herco Products Corporation	Aaron Luce - Technical Sales 800/693-1141 858/693-0662 Fax	9586 Distribution Ave., #D San Diego, CA 92121
	800/848-1141 818/973-2600 Fax	2613 W. Woodland Dr. Anaheim, CA 92801
San Diego Turf	Leonard Gregory - Owner 760/233-8873	1948 Don Lee Place, Unit 8 Escondido, CA 92029

Pipe Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Santa Fe Industrial Plastics, Inc.	408/970-9301	10244 Freeman Ave. Santa Fe Springs, CA 90670
Tom Scaglione	714/308-4917	
Silveria Sales (MBE)	Frank Silveria 760/721-2148 760/721-0544 Fax	2311 Birdie Street Oceanside, CA 92056
Smith Pipe & Steel	Ray Satton 602/257-9494 602/253-8770 Fax	735 North 19th Avenue Phoenix, AZ 85009
State Pipe & Supply Co.	Don Garriga - Sales Rep 800/733-6410 562/695-5555 562/692-1054 Fax	9615 South Norwalk Blvd. Santa Fe Springs, CA 90670
Sunrise Equipment	Wayne Hamilton 714/963-9134 714/968-8994 Fax	9351 Grand Drive P.O. Box 5733 Huntington Beach, CA 92646-5733
T & T Valve & Instruments, Inc.	Frank D. Leon 925/484-4898 925/484-4727 Fax	1181 Quarry Lane #150 Pleasanton, CA 94566
Technaflow, Inc.	Stewart Henderson 714/581-2497 714/586-3372 Fax	24002 Via Fabricante, Unit 309 Mission Viejo, CA 92691
Teem Product Sales	Ed Miller 909/683-7347 909/683-0256 Fax	393 W. La Cadena Drive, Suite 18 Riverside, CA 92501
Todd Pipe & Supply	Joe Widmark - General Manager 619/275-7575 619/275-7555 Fax	1004 Cudahy Place San Diego, CA 92110 P.O. Box 82108 San Diego, CA 92138-2108
Tripac	Bill Foster - President 951-280-4488	475 Klug Circle, Corona, CA 92880
Tyler Pipe	Marla Shives - Regional Manager 951/372-2732 951/738-1183	1001 N. Compton Ave. Corona, CA 91719
Unaflex Incorporated	Sondra Morrill - Mktg Assistant 954/943-5002 954/946-3583 Fax	PO Box 5088 Fort Lauderdale, FL 33310
United States Pipe & Foundry Co.	Jim Grumbine 909/481-2499 877/781-4103 Fax 805/241-5040	3032 Shadow Hill Circle Thousand Oaks, CA 91360
	Mike Ballard 205/254-7000 205/254-7494 Fax	3300 First Avenue North Birmingham, AL 35222

Pipe Material Suppliers		
Company	**Contact/Phone Number**	**Address**
USA Supply, Inc.	Ken Harding or Phil White 800/834-0390 562/903-4555 562/903-4561 Fax	9106 Sorensen Avenue Santa Fe Springs, CA 90670
	Bill Collier 626/579-3210	1835 Floradale Avenue South El Monte, CA 91733
U.S. Filter	Bob Yates 800/708-7775 559/294-5990 559/623-9852 Fax	5654 E. Westover Ave. Fresno, CA 93727
Valin Corporation	714/953-1635 714/953-2126	1701 E. Edinger Ave., Blg J Santa Ana, CA 92705
Valley Cities Supply Co.	Dennis Bright - President Steve Wager - Sales 626/579-4900 626/448-3758 Fax	9510 Rush Street South El Monte, CA 91733 P.O. Box 4039 South El Monte, CA 91734
Val-Matic Valve & Mfg Corporation	Regional Mgr 630/993-4051 Sales Coordinator 630/993-4019	P.O. Box 94836 Pasadena, CA 91109
Valtek/Los Angeles	Ken Mayne 213/946-0767 213/946-2776 Fax	9704 Jordan Circle Santa Fe Springs, CA 90670
Valve Automation & Controls	Cal Cardiff - President Jim Reynolds Rick Barton 619/477-8894 619/477-8899 Fax	2626 Southport Way, Suites I & J National City, CA 91950
Van Leeuwen Pipe And Tube	281/582-3150 281/582-3151	10235 W Little York Road, Ste. 250 Houston, TX 77040
Van Leeuwen & ITS Midco Division	Joyce Fowler - Sales Rep 415/229-1900 415/229-3279 Fax	370 Ferry Street P.O. Box 269 Martinez, CA 94553
Victaulic Company of America	Joe Stepanski - Sales Rep Shawn Forester - Water & WW Sales 610/559-3502 610/923-3095 Fax	26682 B Almond Ave. Redlands, CA 92374
Vintage Water Works Supply	Jeff Cook 707/431-0835 / 707/431-7473 707/431-0431	110 Dry Creek Road Healdsburg, CA 95448
Vulcan Rivet & Bolt Corporation	Greg Smith 800/633-4230 205/841-2711	P.O. Box 170129 Birmingham, AL 35217

Pipe Material Suppliers		
Company	**Contact/Phone Number**	**Address**
Guy L. Warden & Sons	Ted Myers 562/926-6682 562/926-1757 Fax	13834 Bettencourt Street P.O. Box 3355 Cerritos, CA 90703-3355
Water Works Manufacturing (Division of Certainteed)	916/742-5171	3387 Plumas-Arboga Road P.O. Box 2480 Marysville, CA 95901
Westburne Pipe & Supply	Susan Berry 760/743-8155 760/432-8213	765 West Third Avenue Escondido, CA 92025
White Cap Construction Supply	(951) 682-2226	4133 Fairgrounds Riverside , CA 92501
George Yardley Co.	John Hayes 714/241-7700 714/957-2504 Fax 619/235-0410	3000 W. MacArthur Blvd., Ste. 600 Santa Ana, CA 92704
Zidell Valve Corporation	Ken Sanders - Regional Sales Rick Ellsworth - Branch Manager 800/445-8451 661/393-8876 661/393-7813 Fax	2500 Pegasus Drive Bakersfield, CA 93301

Temporary Facilities Rentals		
Company Name	**Contact/Phone Number**	**Address**
American Rent-A-Fence	Don Winkle - Lease Agent 562/941-3478 562/941-0757 Fax	12930 Los Nietos Rd. Santa Fe Springs, CA 90670
American Rigging & Supply	Bruce Yoder 619/233-5625 619/233-4887 Fax	2380 Main Street San Diego, CA 92113
Aztec Containers	Helen 619/727-0533 800/399-2126	
Mobile Mini, Inc.	Scott Russell 858/578-9222 858/578-9220 Fax	12345 Crosthwaite Circle Poway, CA 92064
Modular Building Concepts	Tracy Burgos - Sales Executive 858/679-1185 858/679-6804 Fax	12580 Stotler Court Poway, CA 92064
National Construction Rentals	800/352-5675	1550 E. Chestnut Ave. Santa Ana, CA 92701
Rightway	Chris Grisafe - Rental Rep 800/222-2708 951/674-8608 951/674-2918	653 West Minthorn Lake Elsinore, CA 92330
Spanky's Portable Services	Brandy Jarvis Jolene McClure	555 Enterprise St. Escondido, CA 92029

Temporary Facilities Rentals		
Company Name	**Contact/Phone Number**	**Address**
	760/731-5252 760/731-7252 Fax	
Sprung Instant Structures, Inc.	Joe Yobaccio - Asst Reg. Sales 800/528-9899 951/461-8240 951/461-8250 Fax	29970 Technology Drive, Ste. #112 Murrieta, CA 92563
Traffic Control Service, Inc.	714/526-9520 714/526-9521 Fax	1818 E. Orangethorpe Ave. Fullerton, CA 92831
	951/683-7575 951/683-2306 Fax	1155 West La Cadena Street Riverside, CA 92501
	760/480-1177 760/480-4784 Fax	1326 Mission Rd. Escondido, CA 92029

Miscellaneous Subcontractors		
Company Name	**Address**	**Contact/Phone**
Waste Disposal		
HazMat Trans Inc.	P.O. Box 5129 San Bernardino, CA 92412	Mike Hammer, General Manager (909) 889-5607 (office) (909) 884-8966 (fax) (909) 225-0586 (cell)
Pacific Treatment Corporation	2190 Main Street San Diego, CA 92113	Fred Holloway, Jr. - VP Marketing 619/233-0424 619/231-5750 Fax
Phoenix Environmental, Inc.	1101 California Avenue, Suite 202 Corona, CA 92881	Les Livingston, PM 1101 California Ave, Ste 202 877/257-6948 / Phone 805/525-3371 / Fax 951/870-1608 / Mobile
P.W. Stephens Contractors, Inc.	727 South Ninth Avenue City of Industry, CA 91745	Pamela Masullo - Mktg Rep 800/521-9286 818/330-7221 818/968-6008 Fax
Chlorination & Disinfection		
Matt Chlor	4107 North Arden Drive El Monte, CA 91731	626/443-5034 626/443-2226 Fax
Water Systems Support, Inc.	P.O. Box 27870 San Diego, CA 92128	800/818-1020 800/818-1115 Fax
Cleaning & Chemical Cleaning		
Cal-Chem Cleaning Co., Inc.	2002 Merced Street South El Monte, CA 91733	Ken Balmer - President Larry Fairman 800/444-6786 800/492-7555 626/442-4404
HazMat Trans Inc.	230 E. Dumas San Bernardino, CA 92408	Mike Hammer, General Manager (909) 889-5607 (office) (909) 884-8966 (fax) (909) 225-0586 (cell)

Railroad Construction		
J.A. Placek Construction Co.	12821 East Imperial Highway Santa Fe Springs, CA 90670	Jim Placek - President 562/944-2026 562/941-4231
Pest & Termite Control		
Builders Termite & Pest Control	1139 S. Placentia Ave. Fullerton, CA 92831	714/441-2285
Contractors Termite Control, Inc.	3340 Riverside Drive, #3 Chino, CA 91710	Robert Lopez, Jr. - VP 909/464-0677 909/464-0686
Soil Treatment Specialists	P.O. Box 309 Chino, CA 91708	Michael Manning 909/590-4455 909/465-6628 Fax
Environmental Mitigation/Abatement Contractors		
Envirocon Inc.	1400 East Ocean Blvd. Long Beach, CA 90802	Chris Prensa 800/499-9919 979/412-2191
International Environmental Corporation	2231 S. 48th Street, Ste. 104 Tempe, AZ 85282	Garry Thomas 602/241-6600 602/454-7600
	1792 Callens Road, Ste. D Ventura, CA 93003	805/650-6393 805/650-6389
Phoenix Environmental, Inc.	1101 California Avenue, Suite 202 Corona, CA 92881	Les Livingston, PM 1101 California Ave, Ste 202 877/257-6948 / Phone 805/525-3371 / Fax 951/870-1608 / Mobile

Piping Subcontractors		
Company Name	**Address**	**Contact/Phone Number**
Pipeline		
Arb, Inc.	1451 Magnolia Ave. Corona, CA 92879	909/898-1520 909/898-1528 Fax
Caliagua	15148 Sierra Bonita Lane Chino, CA 91710	Gus Bruner (909) 393-9398 (Office) (909) 597-5167 (Fax) (909) 208-6202 (Cell)
Cass Construction	23120 Oleander Ave. Perris, CA 92570	Matt Goubeaux (951) 943-7043 (Phone) (951) 943-7706 (Fax)
Channel Constructors, Inc.	Corona Del Mar, CA	Larry Weisoff 949/640-9430
Colich & Sons, Inc.	547 W. 140th Street Gardena, CA 90248	Russ Padia 323/770-2920
Albert W. Davies, Inc.	8737 Helma Avenue Rancho Cucamonga, CA 91730	Steve 909/989-3714
		Chris Johnson
Doty Bros.	11232 East Firestone Blvd Norwalk, CA 90650	Henry Barber 562/864-6566 562/864-6052 Fax
	Colton, CA	909/356-9412

Piping Subcontractors		
Company Name	**Address**	**Contact/Phone Number**
Hood Corporation	2726 S. Santa Fe Ave. San Marcos, CA 92069	951/520-4282 951/520-4385
	3166 Horseless Carriage Drive Norco, CA 92860 PO Box 5716	Bruce Svatos 951/520-4282 951/520-4385 Fax
Don Hubbard Contracting, Inc.	1015 Linda Vista Drive San Marcos, CA 92078	Don Hubbard Jack Rugar 619/753-1137 760/736-3241
Jamison Engineering Contractors	17197 Newhope St, Suite J Fountain Valley, CA 92708	Don Jamison (714) 434-9196 (Phone) (714) 434-3762 (Fax) (714) 620-5048 (Cell) Mike O'Reilly (714) 620-4214 (cell)
W.M. Lyles Company	1200 N. Plaza Drive Visalia, CA 93291	Richard Watson 559/651-1450 559/651-0609
	2810 Unicorn Rd. Bakersfield, CA 93380	661/387-1600 661/387-1620
Matamoros Pipelines, Inc.	1269 Laurel Rd. Oakley, CA 94561-9788	Michael Matamoros 925/625-1100 925/625-6969 Fax
Southwest Pump & Drilling, Inc.	53-381 Highway 111 Coachella, CA 92236	760/398-3977 760/398-2287 Fax
Mountain Cascade Inc.	555 Exchange Court P.O. Box 5050 Livermore, CA 94551-5050	Roger Williams, Vice President Randy Buckman 925/373-8370 925/638-1962 Fax
Rob Ulrich Construction (Non-Union)	P.O. Box 1524 Tehachapi, CA 93581	Rob Ulrich 661/822-6636 661/822-6156 Fax
Valverde Construction	10936 Shoemaker Avenue Santa Fe Springs, CA 90670	562/941-5111
Westcon, Inc. (MBE)	Oregon	Ernie Thornton - Manager Lynn Johnson - Estimator 800/547-4515
L.H. Woods & Sons Inc Relief	2115 La Mirada Dr. Vista, CA 92081	Jim Woods 760/599-5500
Western Stress, Inc.	20604 Belshaw Ave. Carson, CA 90746	Peter Gambling - Area Sales Mgr 310/635-1301
Hot Taps & Stopples		
Ray Higley Welding, Inc.	1650 Linda Vista Drive San Marcos, CA 92069	Ray Higley 760/744-8907
Koppl Company	1228 West Date Street Montebello, CA 90640	Frank 323/722-1950 213/722-4740 Fax
T.D. Williamson, Inc.	1207 Mahalo Place Rancho Dominguez, CA 90220	Kevin Halliburton 310/631-1931
Piping/Mechanical		
Central Pipe Mechanical, Inc. (WBE)	385 Commercial P.O. Box 3682 El Centro, CA 92244	Nancy Nale - President 760/353-0562 Fax 760/353-8344
Harris Mechanical (Union)	909 Montreal Circle St. Paul, MN 52102	Rawley Brodeen 651/602-6500 651/602-6699 Fax

Piping Subcontractors		
Company Name	**Address**	**Contact/Phone Number**
Irwin Industries	1580 West Carson Street Long Beach, CA 90810-1455	Ted Crawford 310/233-3007 310/233-3000 Office
Mountain Mechanical Contracting	903 S. School Fayetteville, AR 72702	479/521-4886 479/521-9022 Fax
A. O. Reed & Co. (Union)	PO Box 85228 San Diego, CA 92186	Michael Jones, VP 858/565-4131 858/292-6958 Fax
University Mechanical & Engineering Contractors (Union)	1168 Fesler Street El Cajon, CA 92020	Steve Shirley 619/956-2500 619/956-2300 Fax
	1200 North Sickles Drive Tempe, AZ 85281	Pete Novak 480/921-0903 480/921-1413 Fax
Fire Protection Systems		
Bradshaw Engineering Corp.	8645 Argent Street Santee, CA 92071	Bob Bradshaw 619/448-4300 619/448-0535 Fax
Cosco Fire Protection, Inc.	14467 Meridian Pkwy, Ste. B Riverside, CA 92518	951/214-6300 951/214-6350 Fax
Simplex Grinnell Fire Protection Systems	3568 Ruffin Rd. San Diego, CA 92123	Pete Halloran - Sales Rep 858/633-9100 858/633-9101 Fax
Southwest Fire Protection Co.	215 East El Sur Street Monrovia, CA 91016	Bob Kenz 626/359-0034 626/359-6117 Fax
Plumbing		
Di Lorenzo Bros., Inc.	5813 W. Ramsey Street, Unit C Banning, CA 92220	951/845-0550 951/845-3553 Fax
Moore Plumbing, Inc.	P.O. Box 427 Chicago Park, CA 95712	Jim Moore 530/346-2239 530/272-7526 Fax
Pipe & Equipment Cleaning		
Delta Tech Service, Inc.	397 West Channel Road Benicia, CA 94510	Curt Johnson - Industrial Cleaning Les Davis - Operations Sup. 707/745-2080 707/745-6730 Fax
Fiberglass Installation		
Gates Fiberglass Installers	8971 Ernest Fulsom Avenue Garden Grove, CA 92641	Steven Gates 714/636-8273 714/537-7040 714/636-1073 Fax
Stockmar Industrial, Inc.	2737 Raymond Avenue Signal Hill, CA 90755	David Van Veldhuizen - VP Ops 562/989-3511 714/821-8370 Offc 562/989-1198 Fax
	9400 "C" Cherry Avenue Fontana, CA 92335	909/350-5826 909/350-5825 Fax
Pipe Lining Systems		
Linabond, Inc.	12960 Bradley Avenue Sylmar, CA 91342	Jack Bayliss, President 818/362-7373 818/362-5757 Fax

Construction Equipment Rentals		
Company Name	**Address**	**Contact/Phone Number**
Acme Safety & Supply Co. (MBE - Caltrans)	3442 Sutherland Street San Diego, CA 92110	Richard Anderson 619/299-5100 619/542-0763 Fax
Aggreko Inc.	10646 Almond Ave. Fontana, CA 92335	877/603-6021 909/603-6021 Fax 888/496-6178
American Barricade Inc. (WBE)	2141 South Dupont Drive Anaheim, CA 92806-6102	714/634-2663 714/634-2666 Fax
	2112 Floyd Street Burbank, CA 91504	818/955-8500
American Rigging & Supply	2317 Newton Avenue San Diego, CA 92113	Bruce Yoder 619/233-5625 619/233-4887 Fax
	2380 Main St. San Diego, CA 92113	
Anthony Crane Rental (See Maxim Crane Works)	6232 Fairmount Avenue San Diego, CA 92120	Tom Coleman – Crane Sales 619/563-7910 619/563-7833 Fax
Baker Tanks	5500 Rawlings Avenue South Gate, CA 90280	Dale Nordin – Sales Rep 800/Baker12 562/904-3680 562/904-1583 Fax
Bigge Crane & Rigging Co.	10700 Bigge Avenue San Leandro, CA 94577	Stephen Kenney - VP Proj Dev 415/638-8100 415/639-4053 Fax
Bragg Crane Service, Inc.	13188 Dahlia Street Fontana, CA 92335	Dyke Leonard 714/350-3738
	6242 Paramount Blvd Long Beach, CA 90805	Ralph Love, Jr. 562/984-2400
	201 Commercial Street Anaheim, CA 92801	Butch Ortiz - Tech Svcs 800/227-5862 714/525-3888 714/773-4728 Fax
	1001 West Bradley Avenue El Cajon, CA 92020	Carey Dennis - Tech Svcs 619/562-8086 619/562-1626 Fax
Brewer Crane & Rigging, Llc	10125 Channel Rd. Lakeside, CA 92040	Brent Brewer – President 619/390-8252 619/390-8294 Fax
Bud's Trucking (WBE)	P.O. Box 1521 Lakeside, CA 92040	Fred Vanderbilt 619/561-3903
Cabrillo Crane & Rigging Corp.	6232 Fairmount Avenue P.O. Box 201020 San Diego, CA 92120	Jim Stauffer - Crane Supt Brent Brewer 619/563-7910 619/563-7833 Fax
Carde Pacific Corp.	13651 Alondra Blvd Santa Fe Springs, CA 90670	Bob Pearson 562/921-5591 562/921-5583 Fax 858/237-1122
Clairemont Equipment	4726 Convoy Street San Diego, CA 92111	Mark Turner 858/278-8351 858/279-4845 Fax

Construction Equipment Rentals		
Company Name	**Address**	**Contact/Phone Number**
Contractors Equipment Company	1960 West Mission Road Escondido, CA 92025	Larry Granzella - Mktg Mgr Pete Jespersen - Sales Rep 800/624-9178 760/741-9272
R.E. Coulter Crane Rental, Inc.	1101 East Spring Street P.O. Box 7651 Long Beach, CA 90807	Kennie Belgum - VP 562/595-4555
Crest Equipment Company	10006 Campo Road Spring Valley, CA 92077	Lee Beard 619/697-1020
C.T. Trucking (WBE)	P.O. Box 1396 Hawaiian Gardens, CA 90710-0396	Carolyn 714/826-4886
John Davis Trucking Co., Inc.	P.O. Box 457 1110 Muleshoe Road Battle Mountain, NV 89820	John Davis - Owner 775/635-2805 775/635-8017 Fax
ECCO Equipment Corporation	1417 North Susan Street Santa Ana, CA 92703	Ross Dufrene 800/851-1696 714/554-4851
El Camino Rental	5701 El Camino Real Carlsbad, CA 92008	Nick Fogel - Rental Developer 760/438-7368
Essex Crane Rental Corp	14133 Weld County Road 9 ½ Longmont, CO 80501	Darrell Hulse 970/535-4423 970/535-4425 Fax
	15060 Ceres Ave. Fontana, CA 92335	909/823-9055 909/823-9056 Fax
G & C Equipment Corporation (MBE)	1875 West Redondo Beach Blvd, Suite 102 Gardena, CA 90247	John Brawdy – Project Manager 310/515-6715 310/515-5046 Fax
Goldstein Equipment	P.O. Box 1728 Lakeside, CA 92040	Brent Brewer 619/561-9500 619/561-1171 Fax
J.D. Concrete Screed	181 East Industry Avenue La Habra, CA 90631	Daler (Owner) 800/553-7300 562/691-2678 Fax
Masters Construction	1610 Main Street Brawley, CA 92227	Karen Mc Daniel - Estimator 760/344-7400 760/344-2668
Maxim Crane Works	4545 West Van Buren Phoenix, AZ 85043	Al Bove - Senior Vice President 602/242-4681 602/276-5056 Fax
	1101 E. Spring Street Long Beach, CA 90806	562/989-5706 562/595-7665 Fax
Nixon-Egli Equipment Co.	2044 South Vineyard Ave. Ontario, CA 91761	John Skaff 909/930-1822 909/923-2356 Fax
North County Backhoe	P.O. Box 1889 Valley Center, CA 92082	760/749-4500
T&T Truck & Crane Service	1375 North Olive Street Ventura, CA 93001 P.O. Box 1748 Ventura, CA 93002	Shawn Paul - Sales 805/648-3348 800/655-3348

Construction Equipment Rentals		
Company Name	**Address**	**Contact/Phone Number**
Patent Scaffolding Co.	2575 Williams Street San Leandro, CA 94577	510/824-0550
Power Systems Associates	10006 Rose Hills Road Whittier, CA 90601 P.O. Box 7044 Los Angeles, CA 90022	Bruce Funk - Rental Fleet Mgr 562/463-6000 562/463-6070 562/699-8614 Fax
Progressive Shoring Systems, Inc.	14840 Carmenita Road Norwalk, CA 90650	Keith Blythe 562/921-2563 562/921-8408 Fax
RDO Rental Co.	Temecula, CA 92590	951/296-6491
Rightway	653 West Minthorn Lake Elsinore, CA 92330	Chris Grisafe - Rental Rep 800/222-2708 951/674-8608 951/674-2918 Fax
RK Watertrucks	263 26th Street Del Mar, CA 92014	Rick Renning 858/463-0402 Vince Kreizinger 858/792-5254
	3401 Rowena Dr. Los Alamitos, CA 90720	562/431-3930
San Diego Aerial Equipment Co.	9362 Cabot Drive San Diego, CA 92126	Diane McCann 619/530-0648 760/455-7781
San Diego Equipment Rentals, Inc.	6990 Mission Gorge Road P.O. Box 20248 San Diego, CA 92120	Rocky Larochelle 800/451-7833 619/583-9211
Santa Fe Equipment Co.	4188 Valley Blvd. Walnut, CA 91789	800/828-3453 909/595-5728 909/598-3219
Savala Equipment Rentals	16402 Construction Cl. Irvine, CA 92714	Erin Savala - Equipment Mgr 949/552-1859 949/552-8597
	26340 Lester Circle Corona, CA 92883	800/672-8252 951/471-3064 Fax
Specialty Crane & Rigging	1 South Fairview Avenue Goleta, CA 93117	Steve Souza 805/967-4567 805/683-2844
	1555 East Betteravia Rd. Santa Maria, CA 93454	Greg Peters 805/922-8544 805/928-4110
T.C. Shoring & Scaffolding	6835 26th Street Rio Linda, CA 95673	Ed Cowen - Owner Frank Towse - Owner 916/992-6161 916/992-9218 Fax
Traffic Control Service, Inc.	1818 E. Orangethorpe Ave. Fullerton, CA 92831	714/526-9520 714/526-9521 Fax
	1155 West La Cadena Street Riverside, CA 92501	951/683-7575 951/683-2306 Fax
	1326 Mission Rd. Escondido, CA 92029	760/480-1177 760/480-4784 Fax
The Trebor Co.	2310 Marconi Crt. San Diego, CA 92154	Keith Taylor 800/321-5285 619/286-9700 619/286-5349 Fax

Construction Equipment Rentals		
Company Name	**Address**	**Contact/Phone Number**
Trench Plate Rental Co.	1728 West Mission Road Escondido, CA 92025	800/350-7528 877/246-4085
	13217 Laureldale Ave. Downey, CA 90242	888/833-3777
Underground Shoring Specialists (MBE/WBE)	1400 E. Orangethorpe Ave. Fullerton, CA 92831	Jack Gorzny - Rental Consultant Jeff McBratney - General Manager 714/630-4000 Main 800/247-7884 714/632-2861 714/632-2851 Fax
United Rentals	16190 Valley Boulevard Fontana, CA 92335	(909) 829-4881
Up & Down Scaffold Inc.	5216 Naranja Street San Diego, CA 92114	Larry Luly 619/266-0542 (x 13) 619/266-0295

Asphalt/Paving Contractors		
Company Name	**Address**	**Contact/Phone Number**
All American Asphalt	P.O. Box 2229 Corona, CA 92878-2229	951/736-7660 951/739-4671
All American Service and Supplies	1776 All American Way P.O. Box 2229 Corona, CA 92878-2229	Nick Yocham 951/736-1324 951/736-7672 Fax
Hardy and Harper	1312 East Warner Ave. Santa Ana, CA 92705	714/444-1851
John R. Byerly, Inc.	2257 South Lilac Avenue Bloomington, CA 92316-2907	John Byerly 909/877-5210 909/877-1324 Fax
Roquet Paving, Inc	PO Box 887 Colton CA 92324	909/783-4477 909/783-0267 Fax
Rose Paving	1554 W. Holt Avenue Pomona, CA 91768	909/620-4300 909/620-4400 Fax

Appendix E
Waste Discharge Requirements Monitoring and Reporting Program for Sanitary Sewer Systems

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

ORDER NO. WQ 2008-0002-EXEC

ADOPTING AMENDED MONITORING AND REPORTING REQUIREMENTS FOR STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR SANITARY SEWER SYSTEMS

The State of California, Water Resources Control Board (State Water Board) finds:

1. The State Water Board is authorized to prescribe statewide general waste discharge requirements for categories of discharges that involve the same or similar operations and the same of similar types of waste pursuant to Water Code 13263, subdivision (i).

2. The State Water Board on May 2, 2006, adopted Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, Order No. 2006-0003-DWQ, pursuant to that authority.

3. The State Water Board on May 2, 2006, adopted Monitoring and Reporting Requirements to implement the General Waste Discharge Requirements for Sanitary Sewer Systems.

4. State Water Board Order No. 2006-0003-DWQ, paragraph G.2., and the Monitoring and Reporting Requirements, both provide that the Executive Director may modify the terms of the Monitoring and Reporting Requirements at any time.

5. The time allowed in those Monitoring and Reporting Requirements for the filing of the initial report of an overflow is too long to adequately protect the public health and safety or the beneficial uses of the waters of the state when there is a sewage collection system spill. An additional notification requirement is necessary and appropriate to ensure the Office of Emergency Services, local public health officials, and the applicable regional water quality control board are apprised of a spill that reaches a drainage channel or surface water.

6. Further, the burden of providing a notification as soon as possible is de minimis and will allow response agencies to take action as soon as possible to protect public health and safety and beneficial uses of the waters of the state.

IT IS HEREBY ORDERED THAT:

Pursuant to the authority delegated by Resolution No. 2002-0104 and Order No. 2006-0003-DWQ, the Monitoring and Reporting Requirements for Statewide General Waste Discharge Requirements for Sanitary Sewer Systems No. 2006-0003-DWQ is hereby amended as shown in Attachment A, with new text indicated by double-underline.

Dated: February 20, 2008

Dorothy Rice
Executive Director

ATTACHMENT A

STATE WATER RESOURCES CONTROL BOARD
MONITORING AND REPORTING PROGRAM NO. 2006-0003-DWQ
(AS REVISED BY ORDER NO. WQ 2008-0002-EXEC)

STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS
FOR
SANITARY SEWER SYSTEMS

This Monitoring and Reporting Program (MRP) establishes monitoring, record keeping, reporting and public notification requirements for Order No. 2006-2003-DWQ, "Statewide General Waste Discharge Requirements for Sanitary Sewer Systems." Revisions to this MRP may be made at any time by the Executive Director, and may include a reduction or increase in the monitoring and reporting.

NOTIFICATION

Although State and Regional Water Board staff do not have duties as first responders, this Monitoring and Reporting Program is an appropriate mechanism to ensure that the agencies that do have first responder duties are notified in a timely manner in order to protect public health and beneficial uses.

1. For any discharges of sewage that results in a discharge to a drainage channel or a surface water, the Discharger shall, as soon as possible, but not later then two (2) hours after becoming aware of the discharge, notify the State Office of Emergency Services, the local health officer or directors of environmental health with jurisdiction over affected water bodies, and the appropriate Regional Water Quality Control Board.

2. As soon as possible, but no later then twenty-four (24) hours after becoming aware of a discharge to a drainage channel or a surface water, the Discharger shall submit to the appropriate Regional Water Quality Control Board a certification that the State Office of Emergency Services and the local health officer or directors of environmental health with jurisdiction over the affected water bodies have been notified of the discharge.

A. SANITARY SEWER OVERFLOW REPORTING

SSO Categories

1. Category 1 - All discharges of sewage resulting from a failure in the Enrollee's sanitary sewer system that:
   A. Equal or exceed 1000 gallons, or
   B. Result in a discharge to a drainage channel and/or surface water; or
   C. Discharge to a storm drainpipe that was not fully captured and returned to the sanitary sewer system.

2. Category 2 – All other discharges of sewage resulting from a failure in the Enrollee's sanitary sewer system.

3. Private Lateral Sewage Discharges – Sewage discharges that are caused by blockages or other problems within a privately owned lateral.

SSO Reporting Timeframes

4. Category 1 SSOs – Except as provided above, all SSOs that meet the above criteria for Category 1 SSOs must be reported as soon as: (1) the Enrollee has knowledge of the discharge, (2) reporting is possible, and (3) reporting can be provided without substantially impeding cleanup or other emergency measures. Initial reporting of Category 1 SSOs must be reported to the Online SSO System as soon as possible but no later than 3 business days after the Enrollee is made aware of the SSO. Minimum information that must be contained in the 3-day report must include all information identified in section 9 below, except for item 9.K. A final certified report must be completed through the Online SSO System, within 15 calendar days of the conclusion of SSO response and remediation. Additional information may be added to the certified report, in the form of an attachment, at any time.

   The above reporting requirements are in addition to do not preclude other emergency notification requirements and timeframes mandated by other regulatory agencies (local County Health Officers, local Director of Environmental Health, Regional Water Boards, or Office of Emergency Services (OES)) or State law.

5. Category 2 SSOs – All SSOs that meet the above criteria for Category 2 SSOs must be reported to the Online SSO Database within 30 days after the end of the calendar month in which the SSO occurs (e.g. all SSOs occurring in the month of January must be entered into the database by March 1st).

6. Private Lateral Sewage Discharges – All sewage discharges that meet the above criteria for Private Lateral sewage discharges may be reported to the Online SSO Database based upon the Enrollee's discretion. If a Private Lateral sewage discharge is recorded in the SSO Database, the Enrollee must identify the sewage discharge as occurring and caused by a private lateral, and a responsible party (other than the Enrollee) should be identified, if known.

7. If there are no SSOs during the calendar month, the Enrollee will provide, within 30 days after the end of each calendar month, a statement through the Online SSO Database certifying that there were no SSOs for the designated month.

8. In the event that the SSO Online Database is not available, the enrollee must fax all required information to the appropriate Regional Water Board office in

accordance with the time schedules identified above. In such event, the Enrollee must also enter all required information into the Online SSO Database as soon as practical.

Mandatory Information to be Included in SSO Online Reporting

All Enrollees must obtain SSO Database accounts and receive a "Username" and "Password" by registering through the California Integrated Water Quality System (CIWQS). These accounts will allow controlled and secure entry into the SSO Database. Additionally, within thirty (30) days of receiving an account and prior to recording SSOs into the SSO Database, all Enrollees must complete the "Collection System Questionnaire", which collects pertinent information regarding an Enrollee's collection system. The "Collection System Questionnaire" must be updated at least every 12 months.

At a minimum, the following mandatory information must be included prior to finalizing and certifying an SSO report for each category of SSO:

9. Category 2 SSOs:

    A. Location of SSO by entering GPS coordinates;
    B. Applicable Regional Water Board, i.e. identify the region in which the SSO occurred;
    C. County where SSO occurred;
    D. Whether or not the SSO entered a drainage channel and/or surface water;
    E. Whether or not the SSO was discharged to a storm drain pipe that was not fully captured and returned to the sanitary sewer system;
    F. Estimated SSO volume in gallons;
    G. SSO source (manhole, cleanout, etc.);
    H. SSO cause (mainline blockage, roots, etc.);
    I. Time of SSO notification or discovery;
    J. Estimated operator arrival time;
    K. SSO destination;
    L. Estimated SSO end time; and
    M. SSO Certification. Upon SSO Certification, the SSO Database will issue a Final SSO Identification (ID) Number.

10. Private Lateral Sewage Discharges:

    A. All information listed above (if applicable and known), as well as;
    B. Identification of sewage discharge as a private lateral sewage discharge; and
    C. Responsible party contact information (if known).

11. Category 1 SSOs:

A. All information listed for Category 2 SSOs, as well as;
B. Estimated SSO volume that reached surface water, drainage channel, or not recovered from a storm drain;
C. Estimated SSO amount recovered;
D. Response and corrective action taken;
E. If samples were taken, identify which regulatory agencies received sample results (if applicable). If no samples were taken, NA must be selected.
F. Parameters that samples were analyzed for (if applicable);
G. Identification of whether or not health warnings were posted;
H. Beaches impacted (if applicable). If no beach was impacted, NA must be selected;
I. Whether or not there is an ongoing investigation;
J. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the overflow and a schedule of major milestones for those steps;
K. OES control number (if applicable);
L. Date OES was called (if applicable);
M. Time OES was called (if applicable);
N. Identification of whether or not County Health Officers were called;
O. Date County Health Officer was called (if applicable); and
P. Time County Health Officer was called (if applicable).

Reporting to Other Regulatory Agencies

These reporting requirements do not preclude an Enrollee from reporting SSOs to other regulatory agencies pursuant California state law. These reporting requirements do not replace other Regional Water Board telephone reporting requirements for SSOs.

1. The Enrollee shall report SSOs to OES, in accordance with California Water Code Section 13271.

Office of Emergency Services
Phone (800) 852-7550

2. The Enrollee shall report SSOs to County Health officials in accordance with California Health and Safety Code Section 5410 et seq.

3. The SSO database will automatically generate an e-mail notification with customized information about the SSO upon initial reporting of the SSO and final certification for all Category 1 SSOs. E-mails will be sent to the appropriate County Health Officer and/or Environmental Health Department if the county desires this information, and the appropriate Regional Water Board.

B. Record Keeping

1. Individual SSO records shall be maintained by the Enrollee for a minimum of five years from the date of the SSO. This period may be extended when requested by a Regional Water Board Executive Officer.

[2. Omitted.]

3. All records shall be made available for review upon State or Regional Water Board staff's request.

4. All monitoring instruments and devices that are used by the Enrollee to fulfill the prescribed monitoring and reporting program shall be properly maintained and calibrated as necessary to ensure their continued accuracy;

5. The Enrollee shall retain records of all SSOs, such as, but not limited to and when applicable:

   a. Record of Certified report, as submitted to the online SSO database;
   b. All original recordings for continuous monitoring instrumentation;
   c. Service call records and complaint logs of calls received by the Enrollee;
   d. SSO calls;
   e. SSO records;
   f. Steps that have been and will be taken to prevent the SSO from recurring and a schedule to implement those steps.
   g. Work orders, work completed, and any other maintenance records from the previous 5 years which are associated with responses and investigations of system problems related to SSOs;
   h. A list and description of complaints from customers or others from the previous 5 years; and
   i. Documentation of performance and implementation measures for the previous 5 years.

6. If water quality samples are required by an environmental or health regulatory agency or State law, or if voluntary monitoring is conducted by the Enrollee or its agent(s), as a result of any SSO, records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;
   b. The individual(s) who performed the sampling or measurements;
   c. The date(s) analyses were performed;
   d. The individual(s) who performed the analyses;
   e. The analytical technique or method used; and,
   f. The results of such analyses.

C. Certification

1. All final reports must be certified by an authorized person as required by Provision J of the Order.
2. Registration of authorized individuals, who may certify reports, will be in accordance with the CIWQS' protocols for reporting.

Monitoring and Reporting Program No. 2006-0003 will become effective on the date of adoption by the State Water Board. The notification requirements added by Order No. WQ 2008-0002-EXEC will become effective upon issuance by the Executive Director.

CERTIFICATION

The undersigned Clerk to the Board does hereby certify that the foregoing is a full, true, and correct copy of an order amended by the Executive Director of the State Water Board.

Jeanine Townsend
Clerk to the Board

Appendix F
Field Forms for Filing Online SSO Reporting

WESTERN MUNICIPAL WATER DISTRICT
REPORTABLE INCIDENT NOTIFICATION LOG SEWER SPILL

NOTE: ANY SPILL OVER 1000 GALLONS MUST BE REPORTED TO THE CALIFORNIA EMA (Formerly OES

Date: _____ ***Time of Incident:*** _____ ***Time Incident Secured:*** _____

Operator Reporting: _____ ***Exact Location of Incident:*** _____

Description of Incident and Cause or Suspected Cause: _____

Amount Spilled: _____ ***Estimated Overflow Rate GPM:*** _____

How Estimated Volume was Calculated: _____

Fate of Material Discharged: _____

Was there any Measurable Precipitation 72 Hours Prior to the Incident?: _____

Notification Log After Hour.

WMWD OPS Supervisor (951) 789-5109 or (951) 295-2325	Time:	Who: Steve Schultz
OPS Superintendent (951) 656-0182 or (951) 809-4423	Time:	Who:
MARB Non Cantonment (951) 656-7000 or (951) 532-2390	Time:	Who:
MARB Cantonment 8 AM - 5 PM (951) 655-4880	Time:	Who: Base Fire Department
After Hours (951) 655-2075 or (951) 655-2077		
SAWPA (951) 354-4220	Time:	Who:
RWQCB (phone and Fax) Najah Amin (951) 320-6362 (951) 782-4130 FAX (951) 781-6288	Time: _____	Who: _____
OCSD Control Center (714) 593-7025	Time:	Who:
Riverside County Dept. of Health (951) 358-7100 or (951) 782-2977 (after hours)	Time: _____	Who: Kim Saruwatari
California State Parks (Dept. of Fish and Game) (951) 443-2969	Time: _____	Who: _____
Riverside County Flood Control and Water Conservation District (951) 961-9574	Time: _____	Who: David Ortega
CA Emergency Management Office (Formerly OES) (800) 852-7550	Time:	Who:
Riverside County Hazardous Materials Division (951) 358-5055 after hours (951) 358-5245	Time: _____	Who: _____
San Bernardino County DOHS (909) 387-4666 or (909) 356-3805 or (800) 472-2376	Time: _____	Who: _____
San Bernardino County Fire Hazardous Materials (909) 386-8401	Time: _____	Who: Doug Snyder

Laboratory Analysis.

Samples Collected by: _____

Date Sample Collected: _____ Time Sample Collected: _____

Analysis to be Performed:

pH	_____	VOC	_____
Suspended Solids	_____	Pesticides	_____
BOD/COD	_____	Total Coliform	_____
Metals	_____	Fecal Coliform	_____
O&G	_____	Chlorine Residual	_____

Notified upstream dischargers to terminate	Yes/No	Who/Time:
Verified upstream dischargers shut off	Yes/No	Who/Time:

Response Actions Taken/Cleanup Efforts: **** Note: Lime may be used if in an area where there is minimal contact with people and no chance of the lime entering a stormdrain, river or lake.*** _____

Overflow Volume Recovered: _____ ***Overflow Volume Released to Environment:*** _____

Follow Up Required. Yes: _____ No: _____

If Yes, Describe Actions Taken: _____

Written Notification Required: Yes: _____ No: _____

Appendix G
Police, Fire Department, and City Contacts for Brine Line Reaches

POLICE, SHERIFF, FIRE DEPARTMENT AND CITY/COUNTY CONTACT LIST

	CONTACT	TITLE	PHONE #
REACH IV - A			
CHINO, CITY OF	POLICE		909-591-9873
	FIRE DEPARTMENT		909-902-5260
	Jose Alire	Public Wks Dir/City Engineer	909-464-8393
			909-591-9824
RIVERSIDE, COUNTY OF	SHERIFF		951-955-2400
	FIRE DEPARTMENT		951-940-6910
SAN BERNARDINO, COUNTY OF	SHERIFF		909-884-0156
	FIRE DEPARTMENT		909-387-5974
	Granville M. Bowman	Public Works Director	909-387-7906
REACH IV - B			
CORONA, CITY OF	POLICE		951-736-2330
	FIRE DEPARTMENT		951-736-2220
	Public Works		951-736-2436
NORCO, CITY OF	POLICE	Sheriff	951-270-5673
	FIRE DEPARTMENT	Fire Chief	951-737-8097
	Bill Thompson	Public Works Director	951-270-5607
RIVERSIDE, CITY OF	POLICE		951-787-7911
	FIRE DEPARTMENT		951-826-5321
	Public Works		951-826-5311
REACH IV - D			
CHINO, CITY OF	POLICE		909-591-9873
	FIRE DEPARTMENT		909-902-5260
	Jose Alire	Public Wks Dir/City Engineer	909-464-8393
			909-591-9824
RIALTO, CITY OF	POLICE	Mark Kling, Chief	909-820-2555
	FIRE DEPARTMENT		909-820-2501
	Public Works		909-421-7279
RIVERSIDE, COUNTY OF	SHERIFF		951-955-2400
	FIRE DEPARTMENT		951-940-6910
SAN BERNARDINO, COUNTY OF	SHERIFF		909-884-0156
	FIRE DEPARTMENT		909-387-5974
			909-387-7906
REACH IV - E			
COLTON, CITY OF	POLICE		909-370-5000
	FIRE DEPARTMENT		909-370-5100
	Public Works		909-370-5065
RIALTO, CITY OF	POLICE	Mark Kling, Chief	909-820-2555
	FIRE DEPARTMENT		909-820-2501
	Public Works		909-421-7279
SAN BERNARDINO, CITY OF	POLICE		909-383-5311
	FIRE DEPARTMENT	Michael Conrad, Chief	909-384-5286
	Public Services		909-384-5140
SAN BERNARDINO, COUNTY OF	SHERIFF		909-884-0156
	FIRE DEPARTMENT		909-387-5974
			909-387-7906
REACH V			
CORONA, CITY OF	POLICE		951-736-2330
	FIRE DEPARTMENT		951-736-2220
	Public Works		951-736-2436
LAKE ELSINORE CITY OF	POLICE		951-245-3300
	FIRE DEPARTMENT		951-674-2161
			951-674-5170
RIVERSIDE, COUNTY OF	SHERIFF		951-955-2400
	FIRE DEPARTMENT		951-940-6910

Appendix H
Pollutant Sampling Requirements

After an SSO, samples must be taken and tested for the following parameters:

Pollutant	Method	Holding time	Type of container	Preservation[2]	Minimum volume req.
TDS	Field measured	N/A	N/A	N/A	N/A
pH	Field measured	N/A	N/A	N/A	N/A
VOC	SM 2540 D	7 days	HDPE	None	1 liter
TSS	SM 2540 D	7 days	HDPE	None	1 liter
Oil and Grease	SM 5520 B	28 days	Amber (grab only)	H_2SO_4	500 ml
BOD	SM 5210 B	48 hours	HDPE	None	1 liter
COD	SM 5220 D	28 days	Glass	H_2SO_4	100 ml
Metals	EPA 200.7	180 days	HDPE	HNO_3	100 ml
Total Coliform[1]	SM9221B, 9223	8 hours	Plastic, Glass[3]	$Na_2S_2O_3$	100 ml
Fecal Coliform[1]	SM9221B, 9223	8 hours	Plastic, Glass[3]	$Na_2S_2O_3$	100 ml
Pesticides[1]	EPA 608	7 days	Amber (Teflon lined cap)	None	1 liter

[1]Sampling of these pollutants only for SSOs on Reach 4D, 4A lower, and 4B lower.
[2]All samples must be delivered to the lab at a temperature of 4^{o}C.
[3]Container must be sterilized.

Appendix I
Discharger Contingency Plans

(Appendix I)

Brine Line Dischargers Contingency Plans

Discharger	Contingency Plan
E.I. Colton	Use plant retention pond for discharge
Aramark	Alternative discharge point (Island Environmental)
Chino I	Shutdown
Chino II	Shutdown
Corona Energy Partners	Shutdown
Corona WWTP 1	Cease SARI discharge, divert to Corona POWT
CRC	Contact Watch Commander (951) 273-2929
Corona Regional Medical Center	Divert to Corona WWTP Ponds; curtail water softening and use exchange tanks for the boilers
Corona Resource Recovery	Use on-site storage (up to 4 days); shutdown after that
Ca. School for the Deaf	Alternative discharge point (United Site Services)
Dart Containers	Divert discharge to 16,000 gallon on-site storage; use Baker tanks
Decra roofing	Alternative discharge point (HazMat Trans.)
DFA	Divert discharge from 300,000 gallon tank to 500,000 gallon on-site tank
International Rectifier / HexFet	Alternative discharge point (WMWD, IEUA, or OCSD collection stations)
Norco Ranch	Use alternative collection station, reduce production, obtain on-site storage
Frutarom	Use 30,000 gallon on-site storage
Frontier Aluminum Co.	Alternative discharge point (Lakeland Processing Company)
Fresh & Easy	Use on-site storage or haul to different location
Gene Belk	Use on-site storage, curtail production
Green River Golf Course	Close clubhouse restrooms, bring in portable toilets; serve only cold foods at kitchen.
Green River Sewer Connection	Cease SARI discharge, divert to Corona POWT
JCSD Connections	Cease high TDS dischargers operations; divert to IEUA RP-5/WRCRWA
Loma Linda Medical Center	Alternative discharge point (Vernon, CA)
Mt. View Power Plant	Use on-site storage tanks
Qualified Mobile Inc.	Stop ion-exchange process; use alternative company for this process
Rancho Springs Medical Center	Alternative discharge point (Vernon, CA)
RCSD	Cease SARI discharge, use on-site storage; use Baker tanks or similar
Sierra Aluminum	Alternative discharge point
Stringfellow	Cease SARI discharge, divert to OCSD collection station
Temescal Desalter	Shutdown
EMWD Connections	Shutdown all direct connection. Re-route Waste Haulers to open Station.
Arlington Desalter	Shutdown

Appendix J
SAWPA Emergency Telephone Tree

BRINE LINE EMERGENCY Telephone Script

(SAWPA Internal Use)

Hello, this is _____ from the Santa Ana Watershed Project Authority (SAWPA). This is an emergency notification requiring your immediate attention. You are being notified that there has been a failure of the Inland Empire Brine Line and you are required to immediately cease discharge into the Brine Line until further notice and to implement your Contingency Plan.

Once you have fully shut down, please call David Ruhl of SAWPA at 951.538.3250 to confirm your compliance.

For any additional questions, please contact David Ruhl. Thank you.

Note: Annotate name, title and response of person you speak to.

Emergency Phone Tree

(see employee phone list)

David calls - Rich / Jeff / Carlos

Jeff calls…

Patti calls…	Regina calls…
Pete	Karen
Dean	Mark

See attached "Emergency Contact List" (spreadsheet) for phone numbers and contact person.

Jeff Beehler
Patti
Regina
EMWD
JCSD

Carlos
WMWD
City of Corona

Pete
Stringfellow
SBMWD

Karen
Agua Mansa

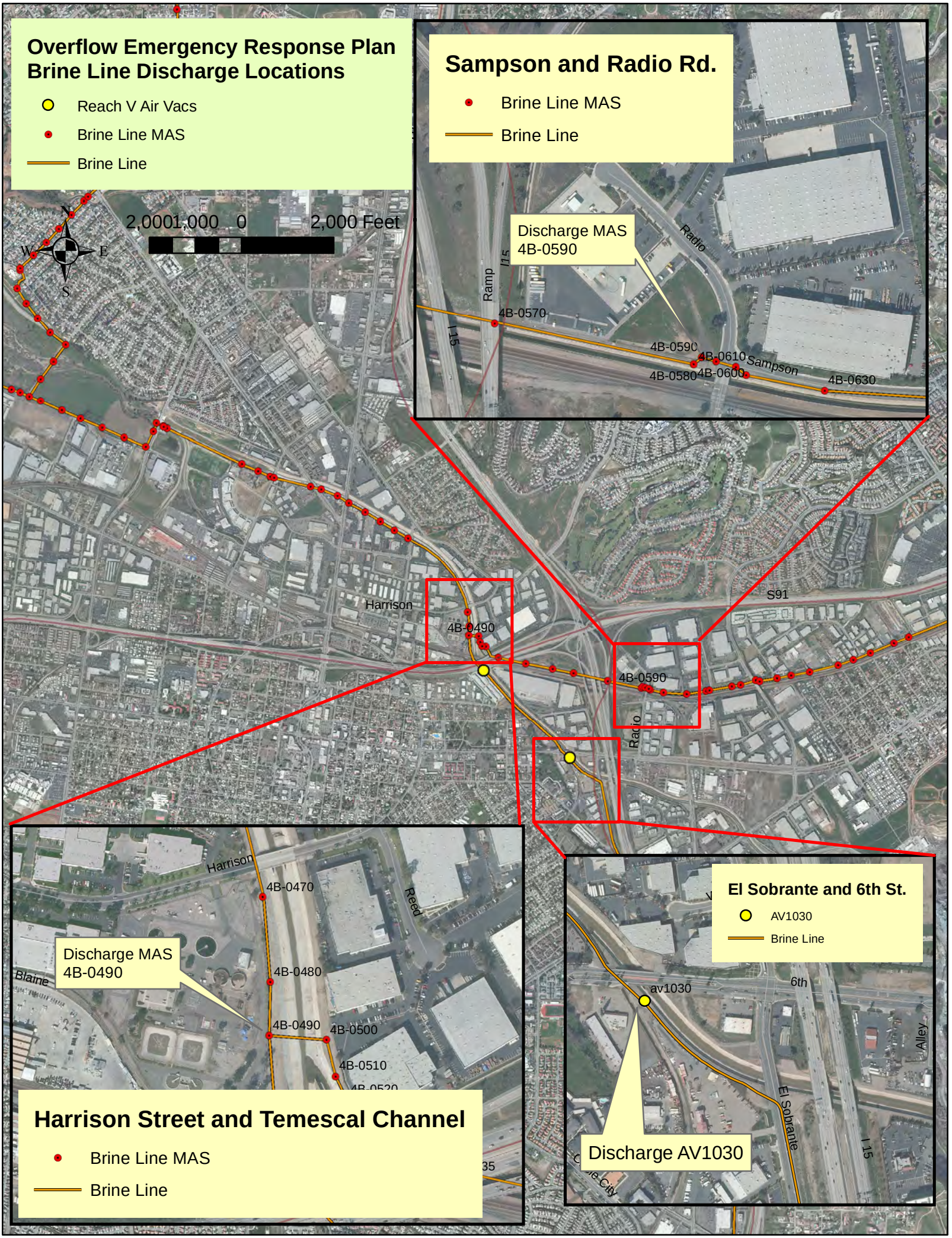
Mark
DFA
Dart Container

Dean
RCSD Anita B. Smith
Mountainview Power

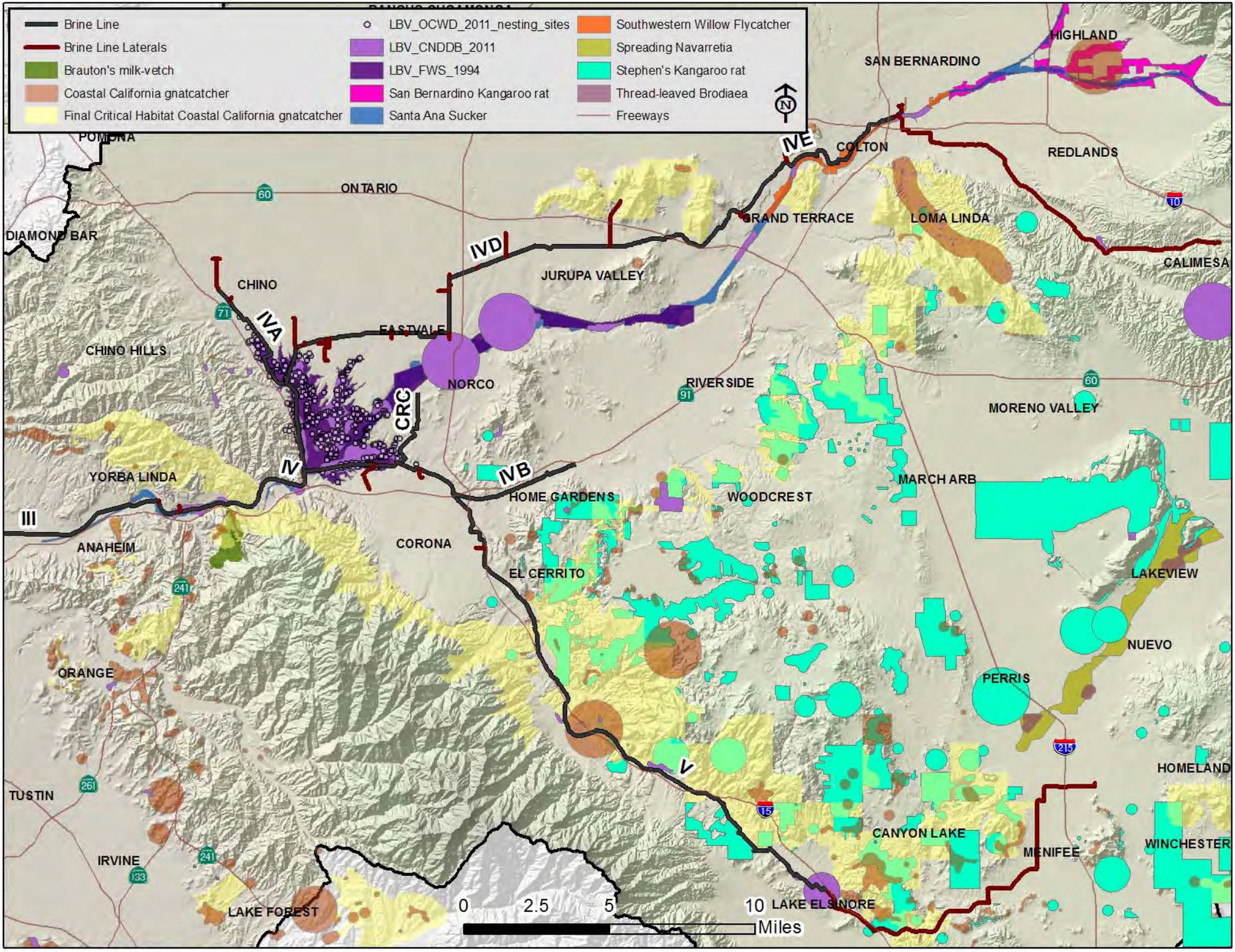
Patti
Chino II Desalter
IEUA

Regina
Wellington Foods
Arlington Desalter
CRC
SBVMWD

Appendix K
Locations for Discharge of Recovered Brine


Overflow Emergency Response Plan
Brine Line Discharge Locations
Reach V Air Vacs
Brine Line MAS
Brine Line
N
W
E
S
2,000 1,000 0 2,000 Feet
Sampson and Radio Rd.
Brine Line MAS
Brine Line
Discharge MAS
4B-0590
Radio
Ramp
I 15
4B-0570
4B-0590
4B-0610
4B-0580
4B-0600
Sampson
4B-0630
Harrison
4B-0490
S91
4B-0590
Radio
Harrison
4B-0470
Reed
Discharge MAS
4B-0490
Blaine
4B-0480
4B-0490
4B-0500
4B-0510
Harrison Street and Temescal Channel
Brine Line MAS
Brine Line
El Sobrante and 6th St.
AV1030
Brine Line
av1030
6th
Alley
El Sobrante
I 15
Discharge AV1030

Appendix L
Fish and Wildlife Service Critical Habitat Map


Brine Line
Brine Line Laterals
Brauton's milk-vetch
Coastal California gnatcatcher
Final Critical Habitat Coastal California gnatcatcher
LBV_OCWD_2011_nesting_sites
LBV_CNDDB_2011
LBV_FWS_1994
San Bernardino Kangaroo rat
Santa Ana Sucker
Southwestern Willow Flycatcher
Spreading Navarretia
Stephen's Kangaroo rat
Thread-leaved Brodiaea
Freeways
N
POMONA
ONTARIO
DIAMOND BAR
CHINO
CHINO HILLS
EASTVALE
JURUPA VALLEY
COLTON
SAN BERNARDINO
HIGHLAND
REDLANDS
GRAND TERRACE
LOMA LINDA
CALIMESA
NORCO
RIVERSIDE
MORENO VALLEY
YORBA LINDA
HOME GARDENS
WOODCREST
MARCH ARB
ANAHEIM
CORONA
EL CERRITO
LAKEVIEW
NUEVO
ORANGE
PERRIS
HOMELAND
TUSTIN
CANYON LAKE
MENIFEE
WINCHESTER
IRVINE
LAKE FOREST
LAKE ELSINORE
IVE
IVD
IVA
IV
IVB
III
V
CRC
0
2.5
5
10
Miles

Appendix M
SSO Log

Sanitary Sewer Overflow (SSO) Log		Name:
Location		
Date	/ /	
Page	of	
Time	Activity	Notes

Appendix N
Site Specific SSO Response Plan


Catch basins
Stage dump truck with min 10 cu.yd material
2. Berm to prevent brine from entering homes.
Work area
Envoy Ave
Rudell Rd
E Ontario Ave
Block all storm drain catch basins with visqueen and sand bags prior to beginning work.
1. Berm
Temescal Canyon Rd
Minnesota Rd
El Cerrito Rd
© 2012 Google
Google
Imagery Date: Jun 8, 2012
33°50'09.95" N 117°31'22.04" W elev 263 m
Eye alt 550 m