



Inland Empire Brine Line Sewer System Management Plan Internal Audit

David Ruhl, Engineering Manager
Project Agreement 24 Committee
December 7, 2021 | Item No. 5.A

Sewer System Management Plan (SSMP) Internal Audit

Recommendation:

- That the PA 24 Committee receive and file the Sewer System Management Plan Internal Audit Report

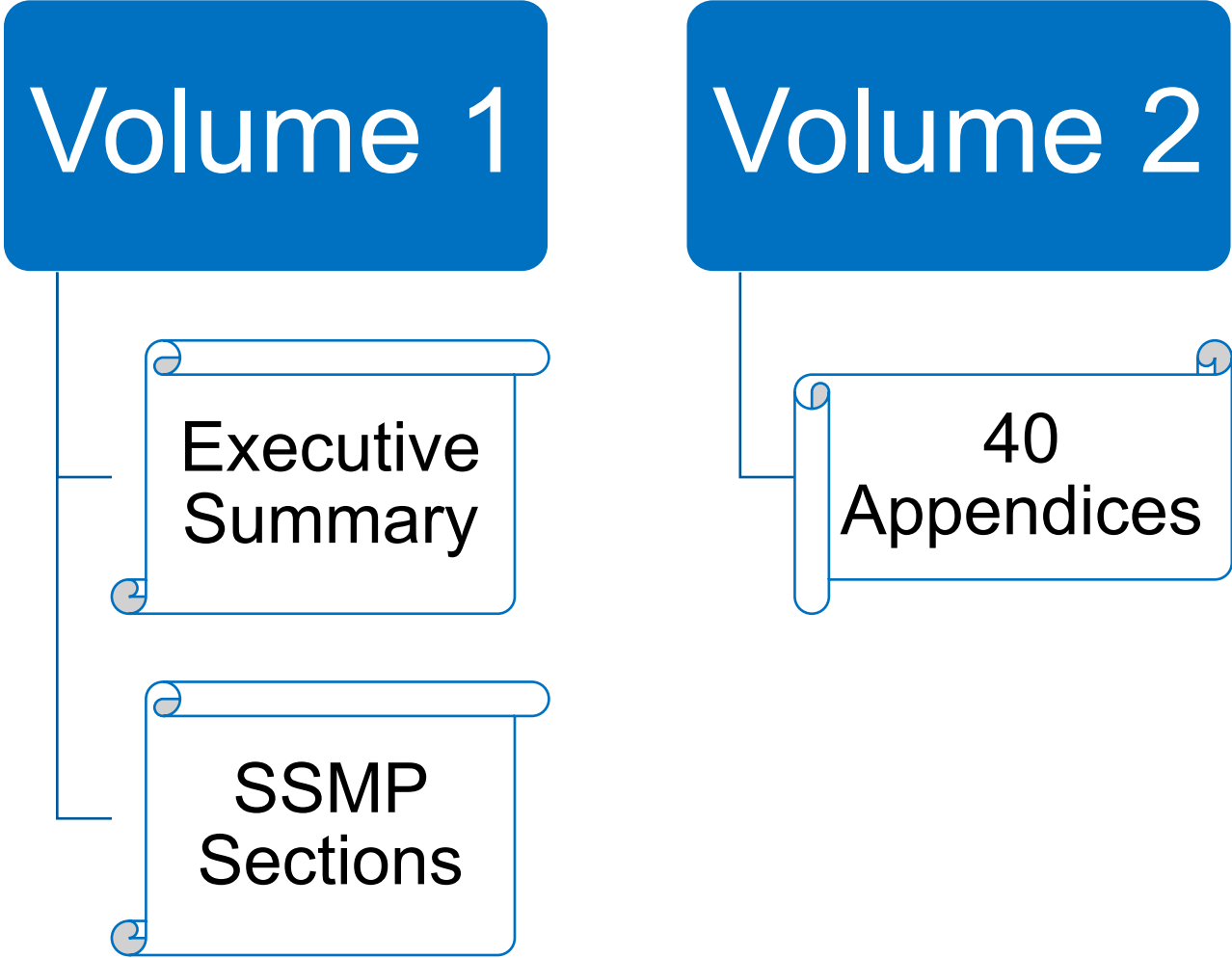
SSMP

- 5-year update required as part of SWRCB General Waste Discharge Requirements (Order No. 2006-003) 2009, 2014, 2019
- Bi-annual audits to ensure all components are successfully implemented
- Provides system management tools to reduce SSOs
- Standardizes many of the Brine Line system operations
- Establishes training requirements
- Available at SAWPA's website

SSMP

SSMP Sections	
Plan and Schedule	Fog Control Program
Goals and Organizational Structure	System Evaluation and Capacity Assurance Plan
Legal Authority	Monitoring, Measurement and Program Modifications
O&M Program	Program Audits
Design and Performance Standards	Communication Program
Overflow Emergency Response Plan	Certification

SSMP Organization

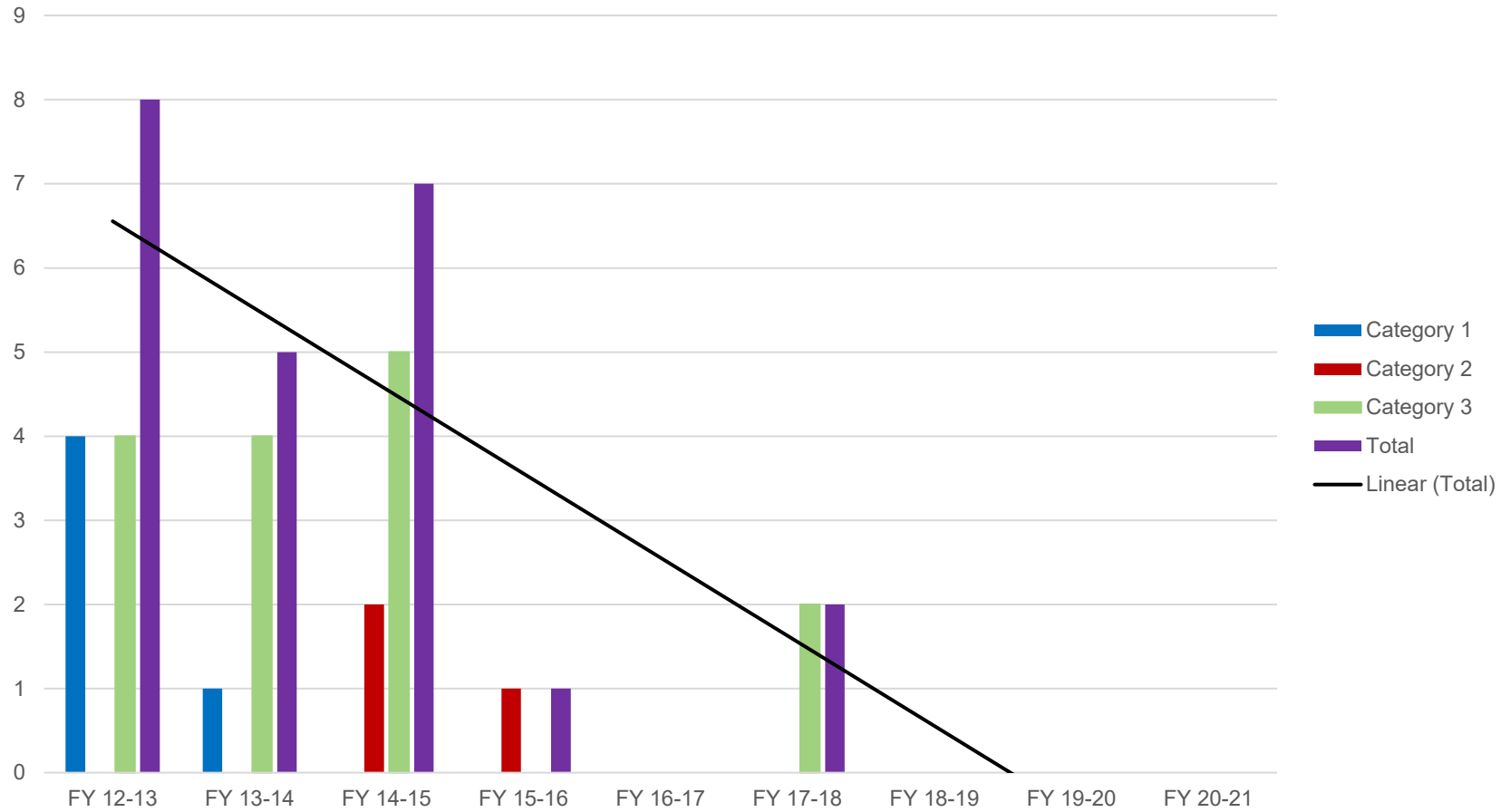


SSMP Internal Audit

- Based on review of the SSMP sections
- Findings (3)
 - Focuses on completing the Ordinance No. 9 update upon concurrence from OC San
 - Focuses on improving the dig alert database function to allow upload of photo documentation directly from a mobile device or tablet
 - Focuses on increasing the ability to search past work orders and service requests for Brine Line assets to assist with asset management
- Next audit is schedule for 2023



SSO Summary



GIS Tools –Dig Alerts

The screenshot shows a GIS application interface with a map and several tool panels. The map displays a network of utility lines with labels such as AV-0850, BO-0865, BO-0845, AV-0840, AV-0830, AV-0810, BO-0795, AV-0730, and BO-0775. A specific ticket, A192271195, is highlighted in a red box on the map. The 'Mark Ticket' dialog box is open, showing the following information:

Mark Ticket

ID	Ticket	Date Rcvd	Type
39777	A192271195	08/15/19	NEW

Action Required: YES - Mark in Field or No Conflict
 Mark Type: Marked in Field No Conflict Cancel

Dig Alert Ticket (email)

Input System Information

Select Reach: [dropdown] Lateral: Yes No
 Select LineType: [dropdown] Diam (in): [input] Length (ft): [input]
 MAS: [input]
 AV: [input]
 B/O: [input]

Input Marking Information

Complete and Submit

UnMarked Tickets

CO	Priority	Type	ID	Ticket	Address	Date Rcvd	Respond By	Company
<input type="checkbox"/>	NORM	RNEW	39773	A192041263	Address/ EUCALYPTUS AVE	08/15/2019 10:04 AM	08/15/2019 10:04 AM	MSL ELECTRIC
<input type="checkbox"/>	NORM	NEW	39774	A192270695	Address/ W RINCOON ST	08/15/2019 12:49 PM	08/19/2019 5:01 PM	BERT W SALAS, INC
<input type="checkbox"/>	NORM	NEW	39775	B192270514	Address/ 18300 COLLIER AVE	08/15/2019 2:16 PM	08/19/2019 5:01 PM	SOUTHERN CALIFORNIA GAS
<input type="checkbox"/>	NORM	NEW	39776	A192271165	Address/ W FAIRWAY DR	08/15/2019 3:54 PM	08/19/2019 5:01 PM	NPL
<input type="checkbox"/>	NORM	NEW	39777	A192271195	Address/ 3940 TEMESCAL CANYON RD	08/15/2019 4:12 PM	08/19/2019 5:01 PM	HCI INC
<input type="checkbox"/>	NORM	NEW	39778	B192270777	Address/ EUCALYPTUS AVE	08/15/2019 4:44 PM	08/19/2019 5:01 PM	DOWNING CONSTRUCTH INC
<input type="checkbox"/>	NORM	NEW	39779	B192270779	Address/ EUCALYPTUS AVE	08/15/2019 4:46 PM	08/19/2019 5:01 PM	DOWNING CONSTRUCTH INC
<input type="checkbox"/>	NORM	NEW	39780	A192280016	Address/	08/16/2019	09/20/2019	INLAND

No Tickets: 21 No Update Tickets: 4 Clear Update/RNEW Tickets

FollowUp Tickets

GIS Tools - Inspections

The screenshot shows a web browser window displaying a GIS application. The browser address bar shows `www.sawpa.net/sari/sari.htm`. The application interface includes a left-hand navigation menu with categories like "Brine Line Tools", "LandUse", "Service Area", "Charts", "Record Drawings", "DigAlert", "Mark", "Find", "ReOpen", "Summary", "Work Hours", "Inspections", "MAS", "MAS View", "AV", "AV View", "BO", "BO View", "Reach", "Reach View", "Work Hours", "Status", "Open/Close", "Service Requests", "Equipment", "Easements", and "SSO".

The main map area shows a topographic map of a region with a river (Santa Ana River) and several inspection points marked with green dots and labeled with MAS IDs: 4-0020, 4-0030, 4-0040, 4-0050, 4-0060, 4-0070, 4-0080, 4-0090, 4-0100, and 4-0110. A yellow line highlights a path through these points. A legend in the top-left corner indicates "Priority MAS Last Inspection (Months)" with categories: 12-24 (orange), > 24 (red), and Never (black). A "Find MAS" search box in the top-right corner has "Priority" selected, "IV" in the dropdown, and "4-0060" in the input field.

A pop-up window titled "MAS: 4-0060" is open, displaying the following information:

- 1: General Information**
- MAS ID: 4-0060
- Inspection Date: 8/16/2019
- Input By: Carlos Quintero
- Inspect By: Matt Stewart
- Traffic Control: Yes No
- Traffic Permit: Yes No
- 2: General Inspection
- 3: Structural Inspection
- 4: Hydraulic Inspection
- 5: System Information
- 6: Finish

The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the time as 9:52 AM on 8/16/2019.

Brine Line Activities



Reach IVA MAS inspections / repairs / corrosion protection



Reach IV line locating / ROW clearing – below Prado



Reach IVA / IVB ROW clearing - Prado



Reach IVA line cleaning / debris disposal



Reach V / IVB contractor coordination



Coronal lateral MAS repair - Prado

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Questions?