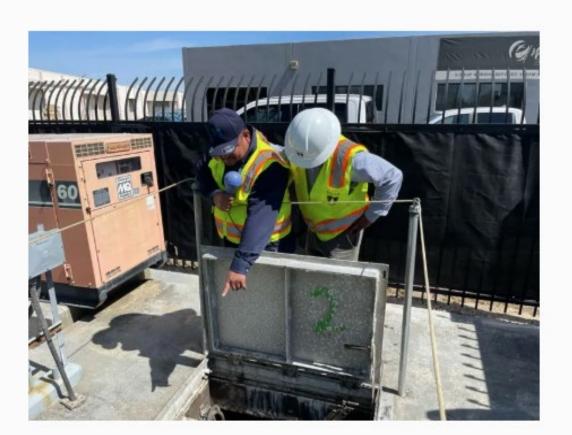






- Sewer System Management Plan (SSMP) Audits
- SSMP updates
- Compliance Evaluation Inspections utilizing USEPA recommended standards with a credentialed inspector.



About



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01 Updates/News

Page 102 Recommendations (LROs, Supervisors, Managers)

Benchmarking Data











https://www.fischercompliance.com/draft-wdr-2022/



April 8, 2022

"Comment Letter - Draft Sanitary Sewer Systems General Order Reissuance."

Fischer Compliance LLC appreciates the opportunity to provide comments and suggestions on the Draft Sanitary Sewer Systems Waste Discharge Requirements (Draft SSS WDR) released on January 31, 2022. These comments and suggestions build on information previously presented to the State Water Board at its virtual Draft WDR workshop on March 15, 2022 available for download at: www.fischercompliance.com.

We first would like to thank Water Board staff for the extensive outreach and thoughtful approach taken soliciting input from stakeholders for this important regulatory program. We support many of the proposed requirements in the Draft Order including:

- Improved transparency and clarification of Water Board authority, regulatory priorities and policies established since adoption of the 2006 WDR to "encourage the regulated community to anticipate, identify and correct violations" as stated in Enforcement Policy.
- · Optional regulatory oversight by regional boards for privately-owned sewer systems which often negatively impact professionally managed public systems.
- Reduced agency costs for compliance with extending timelines for SSMPs/Audits.



- ✓ Implementation Committee
- ✓ Bi-Annual review (regulation performance + NGO Lawsuits)
- ✓ More time to transition
- √ Reduce inspections via added transparency
- √ Flexibility for LROs
- ✓ Incentives for Certification
- √"Fix-it-Ticket" (Close Small SSO Violations)
- ✓ Other fixes for improving current WDRs

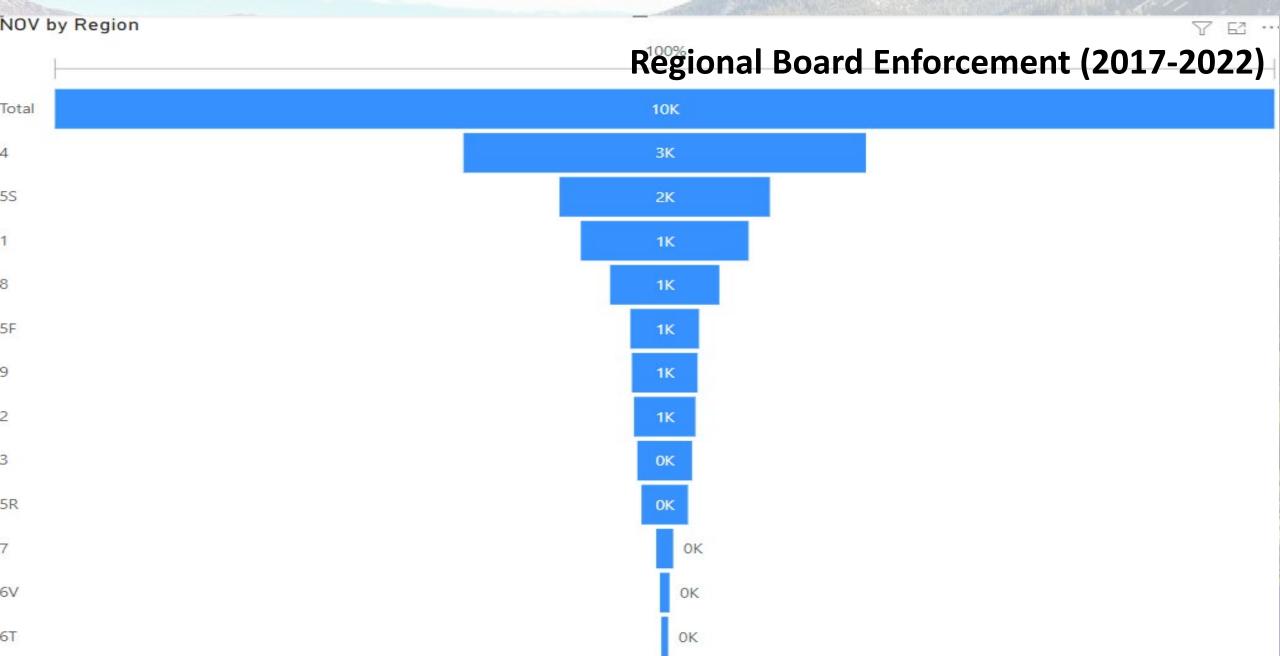




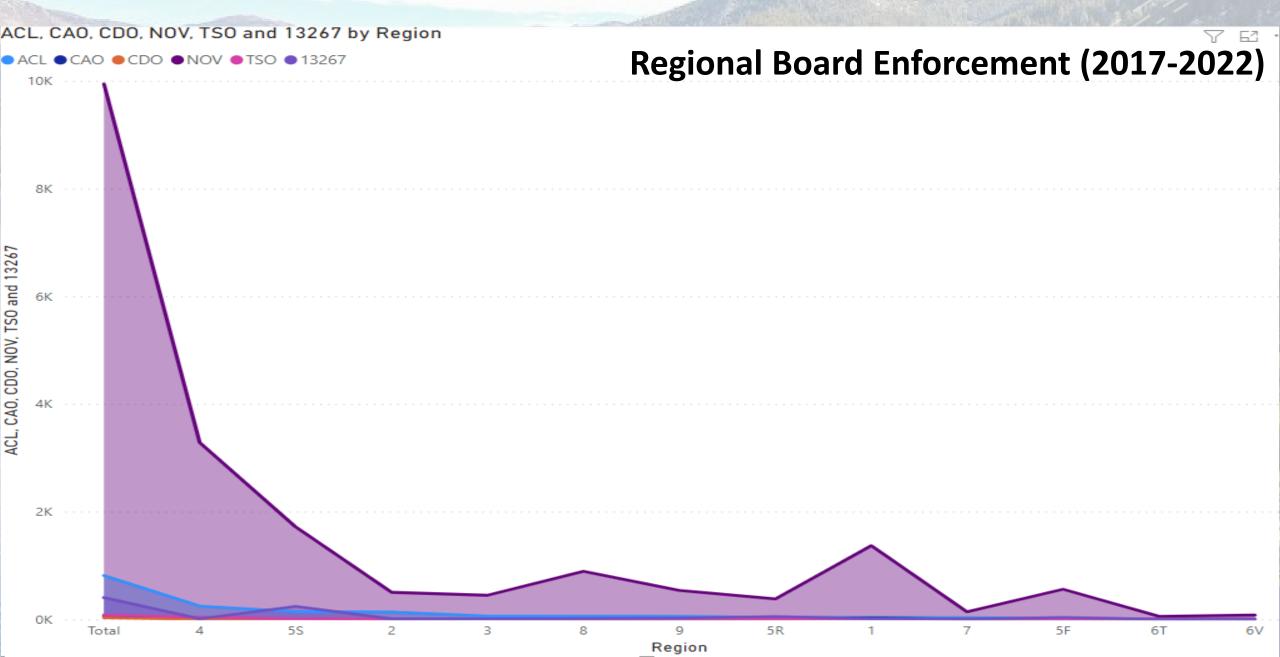
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Statewide Compliance/Enforcement



Statewide Compliance/Enforcement



Water Quality Violations	Date
Settlement reached with sewer district that had hundreds of raw sewage spills	12/29/2021
Los Angeles Water Board reaches settlements with four companies for waste discharge violations \$411,282 will be deposited in state's cleanup account	12/22/2021
Global real estate company agrees to pay \$565,304 for unauthorized discharges at construction site Exeter reaches settlement with Santa Ana Water Board	09/29/2021
Imperial Irrigation District settlement leads to water quality upgrade for disadvantaged households \$549,000 fine will be used to provide Point of Entry water treatment	09/20/2021
Monterey One Water to pay \$800,000 for discharges of untreated wastewater into Monterey Bay	08/17/2021
Settlement reached but monitoring continues of crude oil release in Ventura County watershed \$330,218 in fines will be deposited in the Waste Discharge Permit Fund	06/30/2021
San Diego Water Board orders federal treatment plant to stop discharge permit violations Agency also directed to make repairs at wastewater border facility	06/29/2021
PG&E settlement for once-through-cooling discharges at Diablo Canyon nuclear plant	06/22/2021
Court decision upholds \$2.8 million fine, clears path for long-awaited restoration of Point Buckler Island Unauthorized levee construction considered brazen and harmful	06/17/2021
Laguna Beach reaches \$1.5 million settlement for wastewater collection system failure	06/09/2021
Pistachio processing facility in Tulare County will pay \$221,440 fine for odor violations	06/07/2021
\$2.5 million settlement reached for Mule Creek State Prison violations of Clean Water Act	03/29/2021
City of Colfax agrees to settlement for Bunch Creek sewage spill	03/26/2021
Sumiden Wire Co. agrees to settlement in industrial wastewater discharge case	03/11/2021



Desert Water Agency agrees to pay \$181,947 penalty for sewage collection system spill

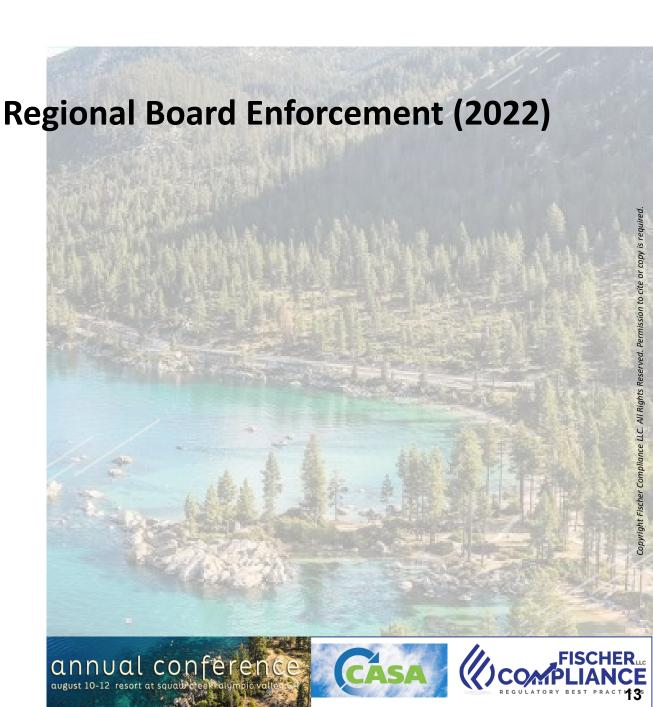
Colorado River Basin Regional Board approves settlement

April 12, 2022 Contact: Ailene Voisin – Public Information Officer

PALM DESERT – Desert Water Agency, a public utility that owns and operates a wastewater collection system serving Cathedral City, agreed to pay a \$181,947 penalty for discharging approximately 268,916 gallons of raw sewage into the Whitewater River Channel.

The incident occurred between Feb. 15-19 after a main pipe ruptured during a heavy storm, sending the untreated wastewater into the channel in Cathedral City. The agency successfully diverted the sewage when it became aware of the spill and later replaced the sewer line.

In the settlement approved today by the Colorado River Basin Regional Water Quality Control Board, half of the penalty will be deposited in the State Water Resources Control Board's Cleanup and Abatement Account. The remaining funds will be used to purchase and install the Cathedral Canyon Lift Station Flow Meter Monitoring Vault and Sample Box to detect flow variations that indicate pipe breakages and take water samples to identify pollution in the river channel and local groundwater.











Get Resilient









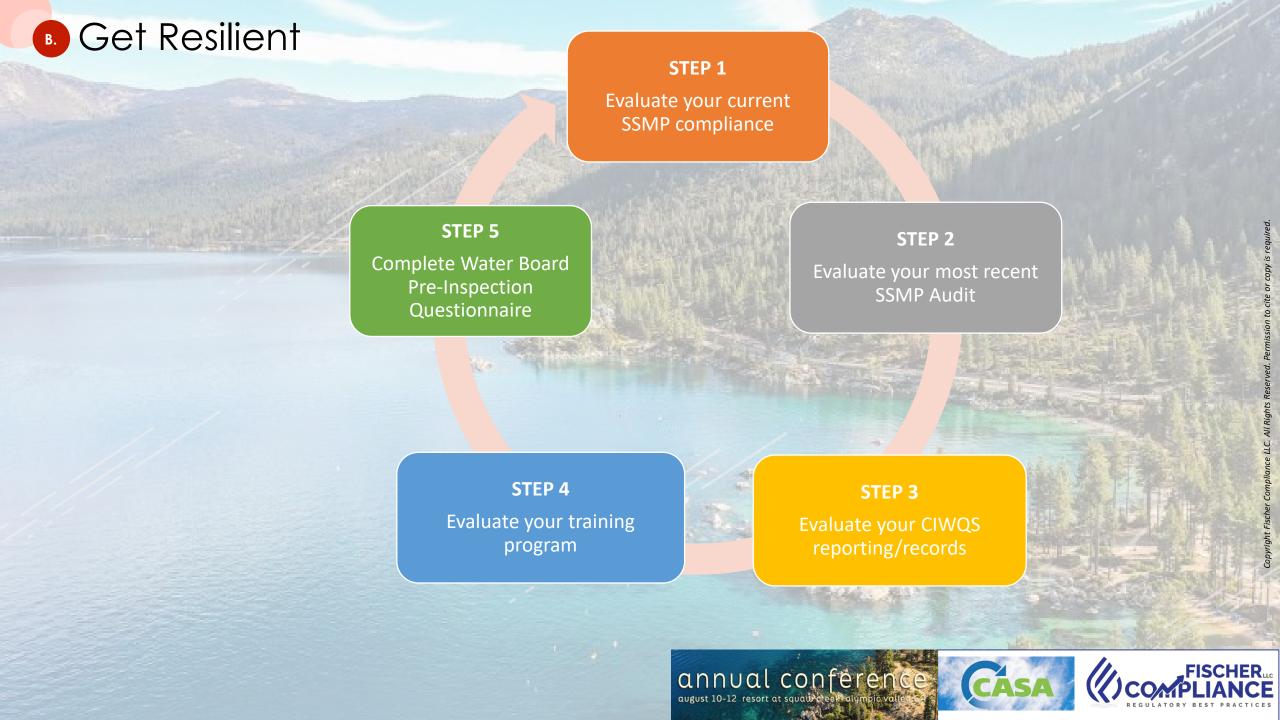












Major Compliance Points	2006 WDRs (#)	2022 Draft WDRs (#)
 Definitions 	7	33
 Findings 	11	19
 Prohibitions 	2	3
 Specifications 	(see Provisions)	21
 Provisions 	15	12
• MRP	dozens	dozens
SSMP elements	11	16
 Attachments 	0	6







Get Resilient

Major Requirements 2006 WDRs 2022 Draft		2022 Draft WDRs
y	(23 pages)	(85 pages)
• Findings	X	X
• Prohibitions	Х	Х
Specifications		X
• Provisions	X	X
• MRP	X	X
SSMP elements (with flexibility)	X	X
 Attachments 		X
 LRO Licensing (operator cert.) 		X
 Enforcement (Water Code 13267/13383) 		X
 SSMP (detailed/prescriptive requirements/CIWQS/public link) 		X
 Audits (detailed/prescriptive requirements/CIWQS/public link) 		X
Risk assessment		X
Reslience planning		X
 Sewer rate/funding/budget detailed narrative including commitments 		X
Resource allocation/details		X
 Legal authority (expanded) including easements, storm drain access, 		X
lateral defined ownership and maintenance if applicable		
 Category 4 spills/reduced reporting option (< 50 gallons) 		X
 Condition assessment (detailed requirements) 		X
 Sewer system boundary (GIS shape file) 		X
 Monitoring (large SSOs, 50,000 gallons or greater to waters of state) 		X
 Use of current industry practices (equipment, tech, strategies) 		X







SSMP AUDIT DASHBOARD 1. Goals 0 2. Organization 0 3. Legal 0 4. O/M 0 5. Design 0 6. OERP 0 7. FOG 0 8. SECAP 0 9. Monitoring 0 10. Audits 0 11. Communication 0 12. Implementation 0 13. Training/SOPs 0 14. Notification 15. SSOs 16. Reporting 17. Monitoring (2 6 10 104











Elsinore Valley Municipal Water District

Sanitary Sewer Systems
New Waste Discharge Requirements

for LRO's, Supervisors, and Managers

- ✓ Expedite agency compliance to avoid violations.
- ✓ Reduce risks for enforcement and fines.
- Learn Regional Board insights to get your program ready before inspectors arrive.
- Learn SSMP Auditing Best Practices for resilience with Regulators/NGOs.

+Bring your Current SSMP/Audits for expert compliance feedback!

8/18/2022 (830-1530)









2. Avoid Common Violations

3. Reduce Enforcement/Fines

4. Gear-up for Anticipated New WDRs.

5. Resilience/hold-up to scrutiny.









Sam Rose
Sam Rose Consulting:
Retired Superintendent







EXAMPLE CONTENT (SSMP AUDITS)



APPENDIX 1 COMPLIANCE EVALUATION INSPECTION (CEI) REPORT

FACILTY INSPECTED:	INSPECTED BY:	
West Bay Sanitary District 500 Laurel Street Menlo Park, CA 94025	James Fischer, P.E. NPDES Compliance Inspector ¹ Principal, FISCHER COMPLIANCE, LLC	
Mello Faix, CA 74023	James Fischer Date: 5/17/2022	
	REVIEWED BY:	
	Sam Rose	
	Principal, SAM ROSE CONSULTING	
SANITARY SEWER COLLECTION	Waste Discharge ID (WDID)	
SYSTEM (WASTEWATER)	#XSSOXXXXX	
Water Quality Order(s)	2006-003-DWQ/2013-0058-EXEC	
CIWQS Place ID	631678	
Regional Water Quality Control Board	2	
County	San Mateo	
Population/Area	55,000	
Miles of Sewers (gravity)	200.23	
Miles of Sewers (force mains)	10.6	
Sewer Connections (#)	19,141	
Lift Stations (#)	12	
Final wastewater disposal	Silicon Valley Clean Water (WDID 2SSO10190)	

Compliance Evaluation Inspection Report (West Bay Sanitary District) CONFIDENTIAL DRAFT 5/17/2022 Page 8/15



Photo 9: Safety gas monitoring checked by operations staff prior to opening wet well hatches; no hazardous gas levels were observed by meter prior to inspection.



Photo 11: View inside wet well at station; no significant buildup of grease, grit, or major corrosion observed.



Photo 10: District staff inspecting wet well at station.



Photo 12: Inspection with operations staff on station operations, maintenance, bypassing, wet well holding







(Reporting)

☐ Measured Volume Method

Duration and Flow Rate Method (Account for diurnal flow pattern for long duration)

☐ SSO Flow Rate Estimating Tool

Other (explain) i.e.; estimated daily are per capita upstream or meter @ Pump Station.

USED 56PM ORLESS BASED ON FLOW RATE

FROM SURCHARGED MANHOLE FLOW RATE PHOTOS

Agency was not able to produce photo of spilling manhole

Was this spill under reported?

135 minutes x 2.5 GPM = 338 Gallons

135 minutes x 5.0 GPM = 675 Gallons

Duration and Flow Rate Method worksheet:

Spill Volume Under Reported?

Start Date and Time	1. 8:30 AM
End Date and time	2. 10:45 AM
Total time elapsed of SSO event (subtract line 1 from line 2. Show time in minutes)	3. 2 HR. 15 MIN.
Average flow rate GPM (account for diurnal pattern)	4. 16PM_
Total volume estimate using duration and flow rate method (Line 3 x Line 4)	5. 135 WAL.



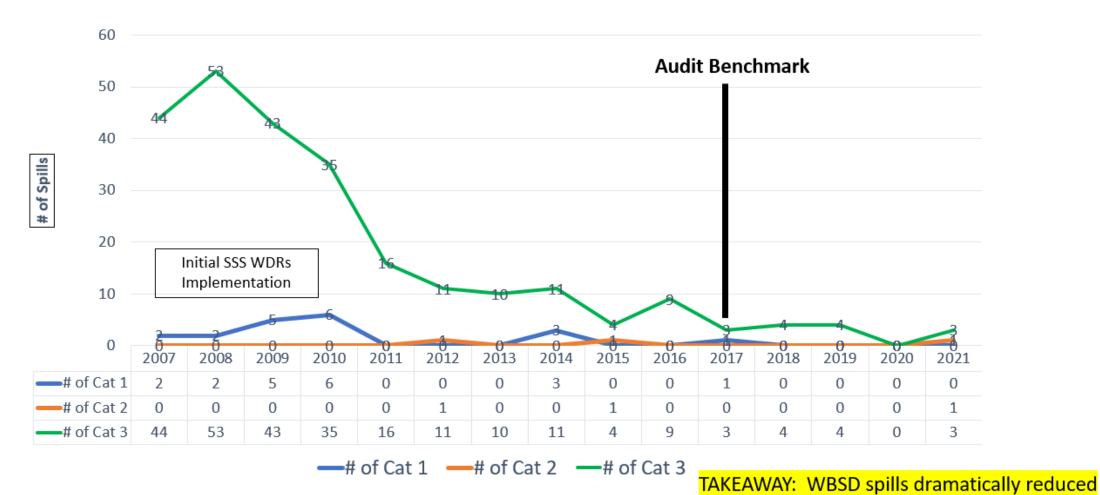




WBSD Spills (SSOs), 2007-2021



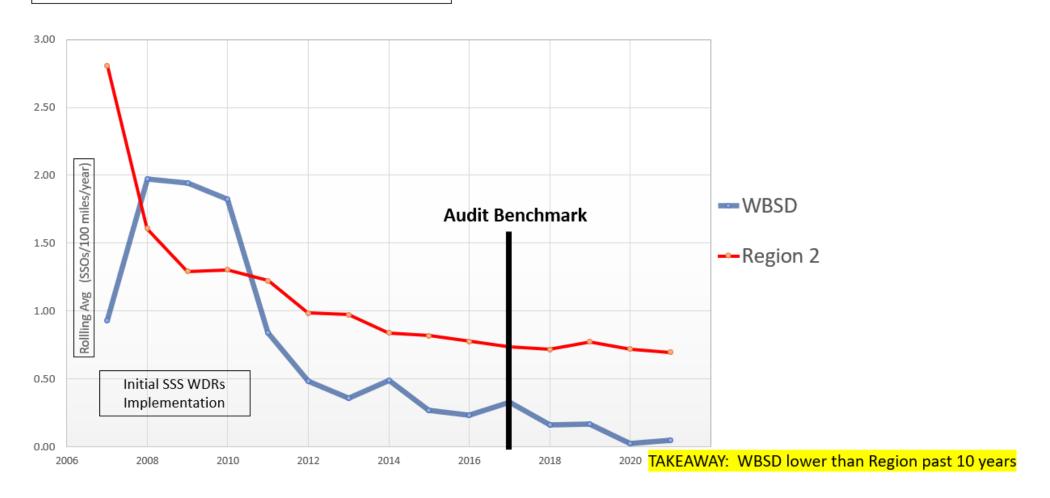




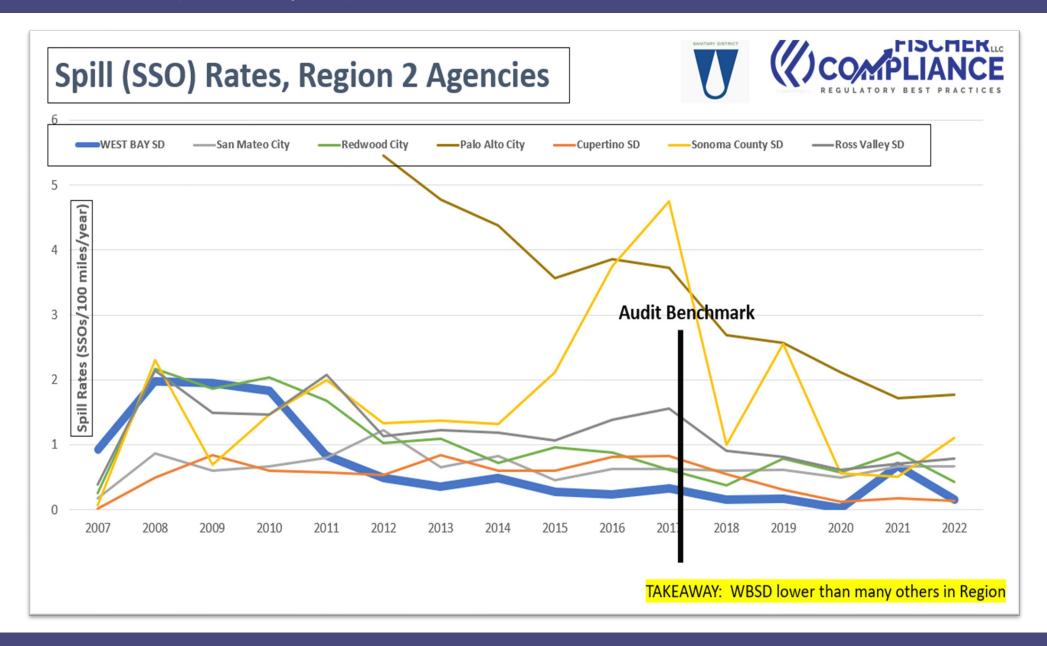
Spill (SSO) Rates, 2007-2021



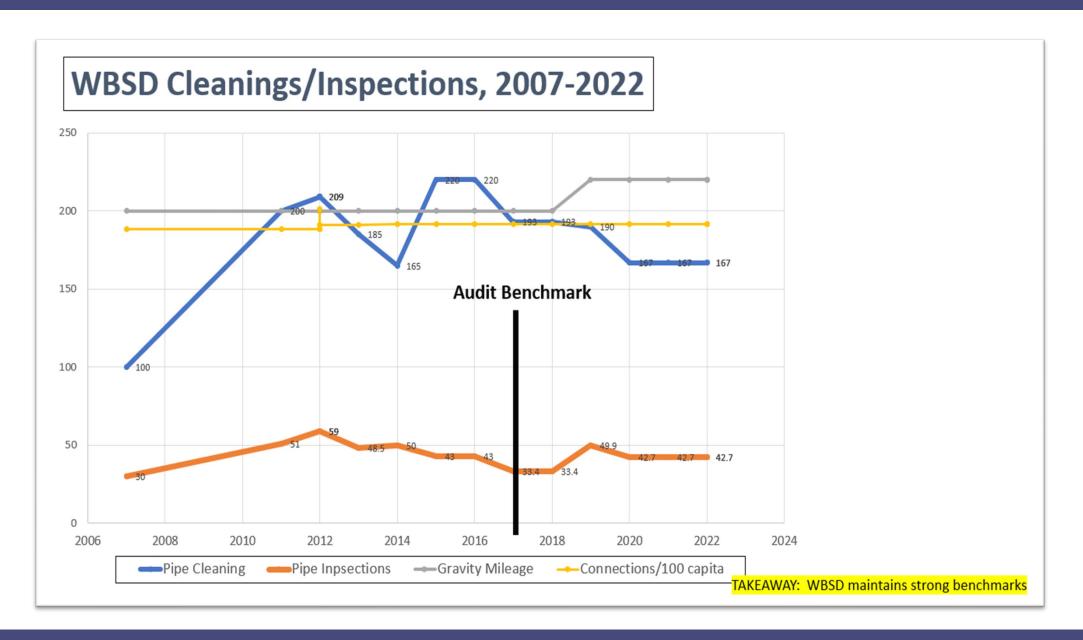




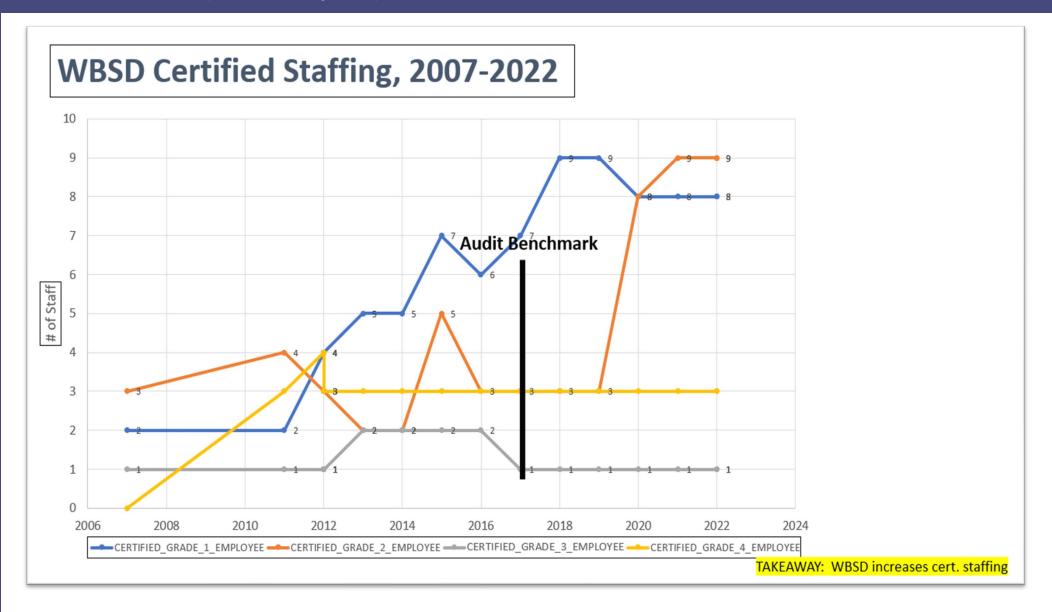
BENCHMARKING (West Bay SD)

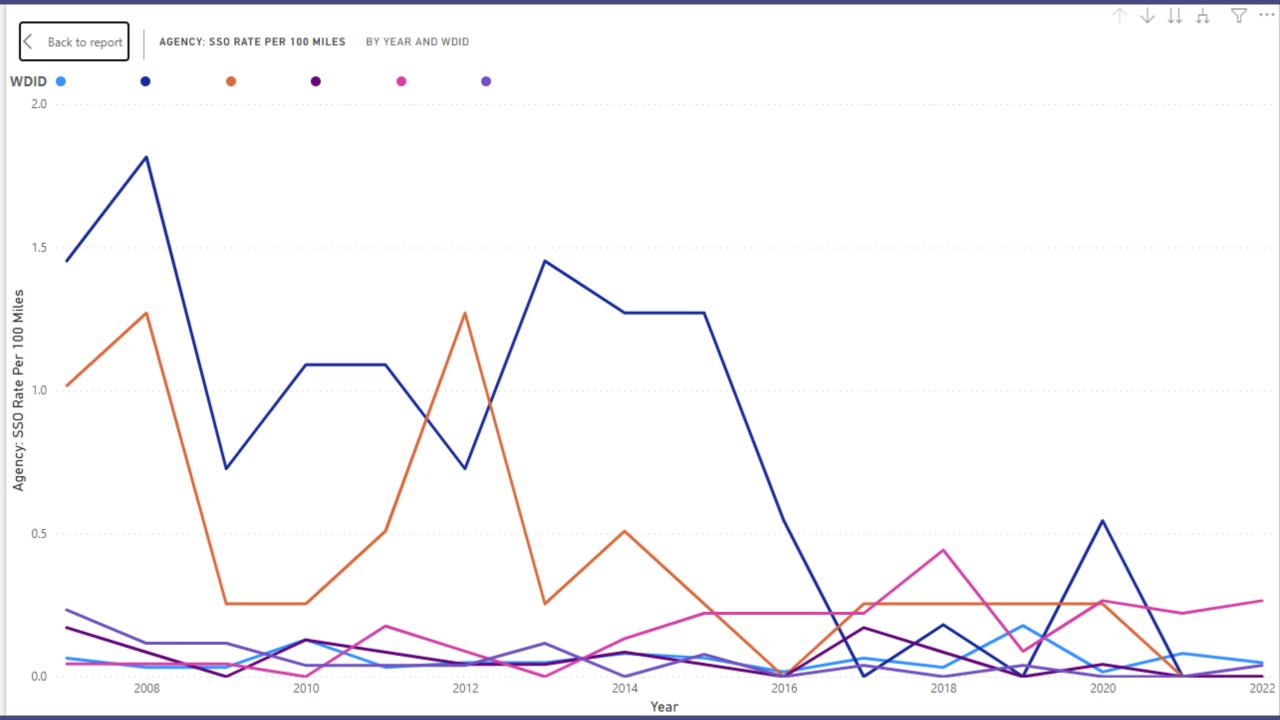


BENCHMARKING (West Bay SD)



BENCHMARKING (West Bay SD)







Conclusions

- 1. Comply with Current Order
- 2. Prepare for Changes
- 3. Know LRO Responsibilities
- 4. Get Resilient
- 5. Get Trained









What's Next

- 1. More Benchmarking
- 2. Comparisons with CIWQS
- 3. More Audit Results
- 4. More WDRs Statewide Trainings









Conclusions

James Fischer, P.E.

jim@fischercompliance.com

www.fischercompliance.com

(916) 606-5275





