



Emergency Preparedness & Response 2023 Update



**Dublin San Ramon
Services District**

Water, wastewater, recycled water

Dublin San Ramon Services District

May 16, 2023 – Regular Board of Directors Meeting



DSRSD
Emergency
Preparedness &
Response:
2023 Update

PRESENTATION OVERVIEW

Strategic Plan Goal, Policy & Priorities

Emergency Response Program & Procedures

District Assets, Equipment, Materials

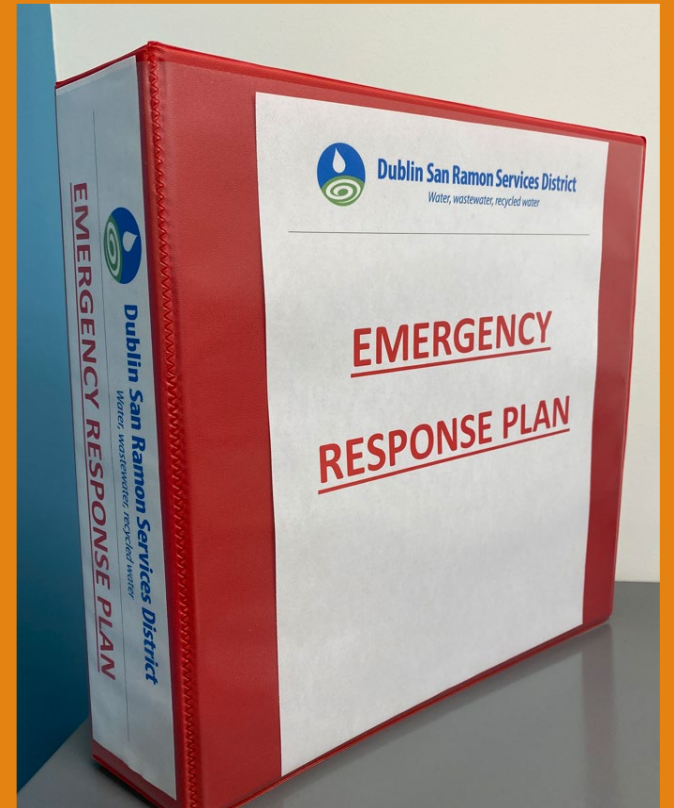
Staff Training and Exercises

Inter-agency Coordination/Mutual Aid

Next Steps

District Strategic Plan Goal (FY24-FY28)

ENHANCE OUR ABILITY TO
RESPOND TO EMERGENCIES
AND MAINTAIN BUSINESS
CONTINUITY





District Priorities During Emergencies



Priority No. 1
Protect human
life and health



Priority No. 2
Protect
property



Priority No. 3
Protect the
environment while at
all times protecting the
safety of our work
force

Board Policy: Emergency Response Plan (ERP), 9/2020

Purpose: Designation of District **Emergency Manager** and authorization to manage emergency operations



Designates the General Manager as District's **Emergency Manager**

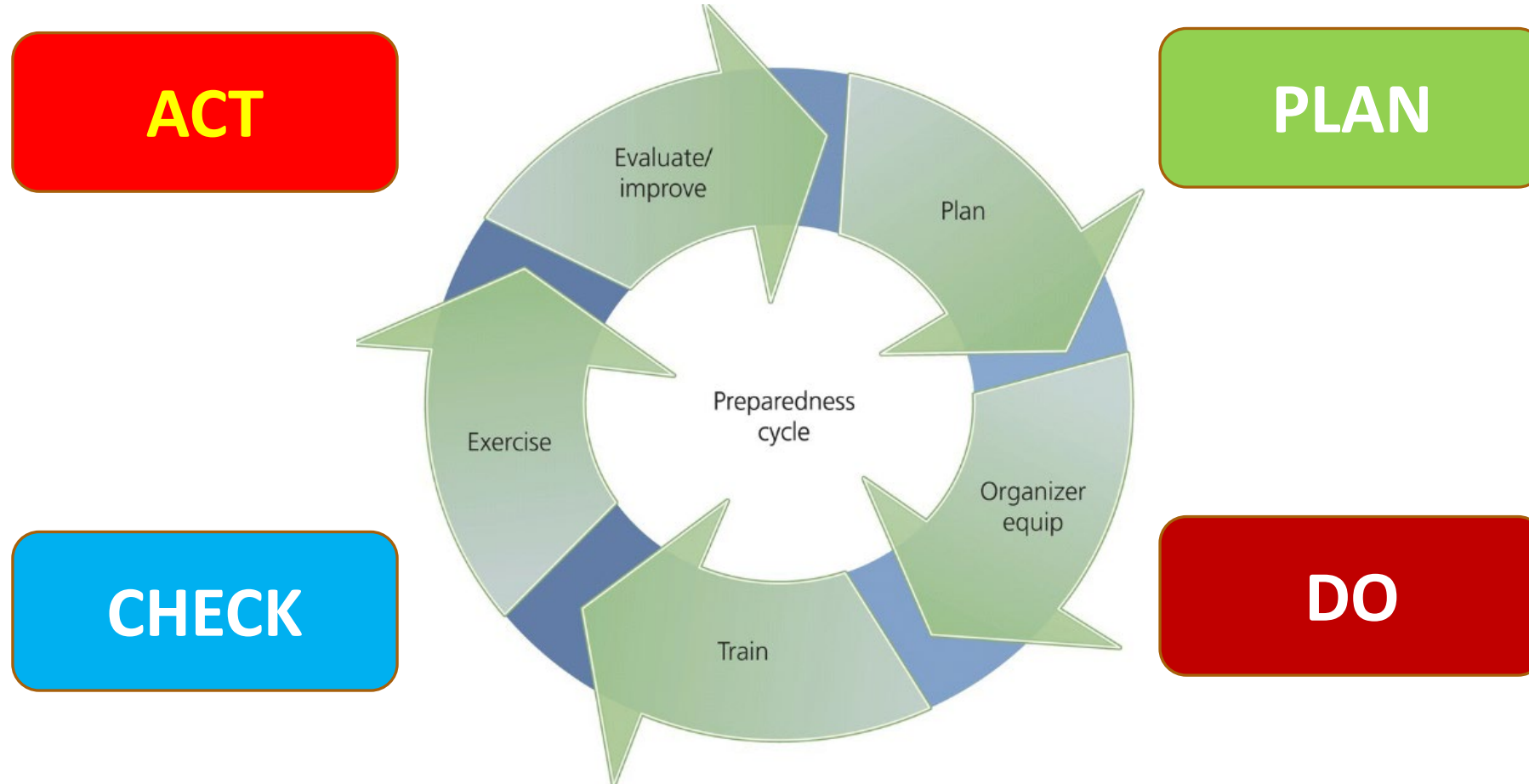


GM can proclaim District State of Emergency and activate EOC operations



Board of Directors to declare District State of Emergency within 10 days and to authorize continued emergency operations and recovery operations

The Preparedness Cycle

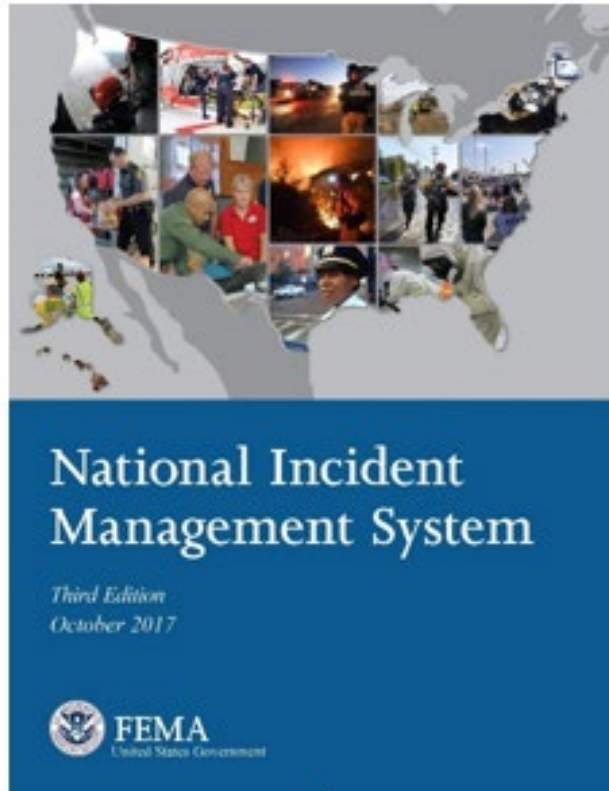


State

Standardized Emergency Management System (SEMS)

- The system required by Government Code §8607 (a) for managing response to multi-agency and multi-jurisdiction emergencies in California.
- Five Levels:
 - State
 - Regional
 - Operational Area (counties)
 - Local Government (cities, special districts)
 - Field Response



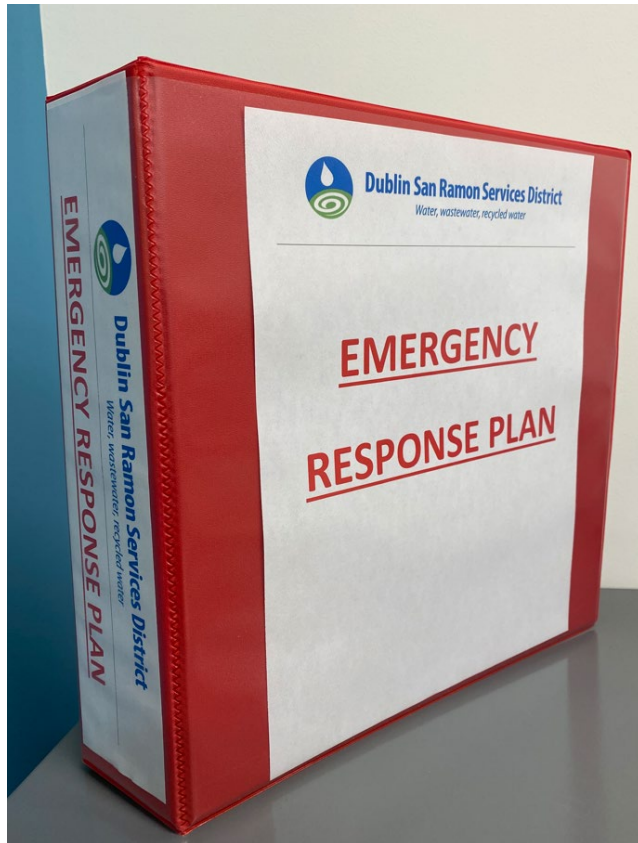


National Incident Management System (NIMS)

- A **nationwide** approach for **all levels** of government to work effectively together for preparation and response to incidents
- Core set of **concepts, principles, and terminology** for incident response and multi-agency coordination

Written Emergency Response Plans

The District's Emergency Response Plan (ERP) “Red Book”



- Mitigation actions
- Administration, procurement and finance
- Training and exercises
- Concept of operations (NIMS/SEMS framework)
- Internal/external communications & reporting
- Emergency response resources
- Forms, references, and Incident Action Plans

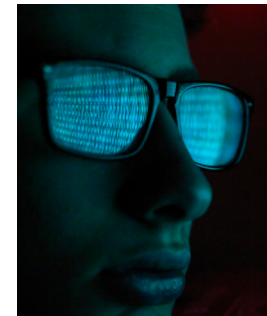
Written Emergency Response Plans

PLAN

EMERGENCY RESPONSE PLANS	REGULATORY REQUIREMENT	LAST UPDATE
Emergency Response Plan (ERP)	AWIA	July 2021
Underground Storage Tank Response Plan (UST)	CalEPA/CUPA	July 2021
Tri-Valley Local Hazard Mitigation Plan (LHMP)	CalOES/FEMA	Update to be finalized May 2023
Sewer System Management Plan (SSMP)/Spill Emergency Response Plan	SWRCB	Update to be finalized June 2023
Illness & Injury Prevention Programs (IIPP) – (Emergency Action Plan, Fire Prevention, First Aid/CPR)	CalOSHA	November 2017
Spill Prevention, Control, and Countermeasure Plan (SPCC)	CalEPA/CUPA	May 2020
Hazardous Materials Business Plans (HMBP)	CalEPA/CUPA	December 2022
Water Shortage Contingency Plan	CWC/DWR	July 2021

Incident Action Plans

- General response (5)
- Natural disasters (5)
- Industry-specific (3)
- Threats/attacks (11)



Customer Information

PLAN


The screenshot shows a website navigation menu with the following items: Home, Your Account, Your Dollars at Work, About Us, Outreach, Do Business With Us, Careers, and How To... The 'Your Account' section is expanded to show a list of links: Your Account FAQs, Quick Guide to Your Account, AquaHawk Customer Portal, Your Bill, Rates & Fees, Who's Responsible for Pipeline Repairs?, Water Conservation, Emergencies (highlighted with a red circle), How to Turn Off Your Water, Frozen Water Pipes, Report Leaks and Thefts, Storing Water (highlighted with a red arrow), Water Quality, What Not to Flush, Draining Your Pool or Spa, and Service Area. The main content area is titled 'STORING WATER FOR EMERGENCIES' and includes a paragraph about earthquake preparedness, a photo of a baby with a water bottle, and a list of emergency water storage guidelines.

[Your Account](#) » [Emergencies](#)

STORING WATER FOR EMERGENCIES

Font Size: [+](#) [-](#) [+](#) [Share & Bookmark](#) [Feedback](#) [Print](#)

Living in the Bay Area, we know that a large earthquake could happen at any time. After a major disaster, your home could be without running water for many days. It will take time for DSRSD and relief agencies to set up temporary water stations. Other events can interrupt water service, too, including pipe breaks, pump failure, contamination, extreme drought, or a major fire.



It's essential to be prepared. While you can survive three weeks without food, you can die after three days without water. Every family should store water for emergencies.

Guidelines for Emergency Water Storage

[Expand/Contract Questions and Answers](#)

- How much water should I store?
- What are my options for storing water safely?
- How long does stored water remain fresh?
- Do I need to disinfect containers before filling them with tap water?
- Should I add bleach to stored tap water?
- What are other sources of drinking water during an emergency?
- How can I purify contaminated water?

- How to turn off water
- Frozen water pipes
- Reporting leaks & thefts
- Storing water for emergencies

Operations Supplies & Materials

DO



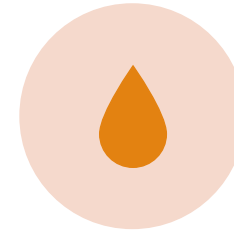
1ST AID SUPPLIES



**AUTOMATED
EXTERNAL
DEFIBRILLATOR
(AEDS)**



**EMERGENCY
SUPPLIES
(FOOD/WATER/
SHELTER/HEALTH)**



SPILL KITS



**SPARE/BACK-UP
MATERIALS**

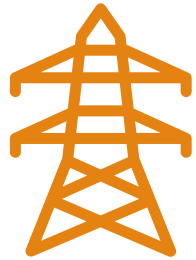
Operations Supplies & Materials

DO



Power Resilience & Reliability

DO



Back-up and Portable
Generators



Diesel Gas & Contract
for emergency fuel
supplies



Co-Generation System



FOF Generator



POTABLE WATER
SYSTEM STANDBY
GENERATORS
\$3.2 MM

Power Resilience & Reliability

DO

Standby Generators & Cogeneration System



WWTP: Two Standby Generators (Primary)



WWTP: Secondary Power Backup

Emergency Interties

DO

EBMUD – DSRSD Emergency Interties



2014 Test of Davona Drive Intertie

Four (4) emergency intertie agreements:
EBMUD, Pleasanton, Livermore, and Zone 7



EBMUD-DSRSD Intertie, Davona Drive

October 2022

DO

Standby Contractor Support – Emergency Underground Repairs

- Four (4) on-call repair contractors
- Service response within 4 hours of request
- Available 24/7, weekends and holidays



Communications

DO

Fiber Optic and Wifi Network Upgrades (Appx. \$1.5 Million)

- DSRSD owns its WAN (Wide Area Network) communication system
- Fiber is primary interconnection between all three locations, radio as backup
- SCADA WAN- mix of fiber and radio links
- All field facilities Wi-Fi enabled
- Completed major project consisting of ISP (Internet Service Provider) redundancy



Communications

DO



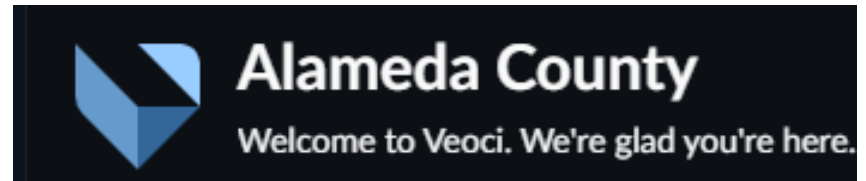
G.E.T.S.



P25 Radios



Veoci (CalOES)/ALCO-OES)



DO

Emergency Purchasing Authority

- Purchasing Cards (CalCards)
- Standing contracts/agreements
- GM permitted to authorize emergency purchases in accordance with Contract Code §22050(c)(2)



Inter-agency Coordination

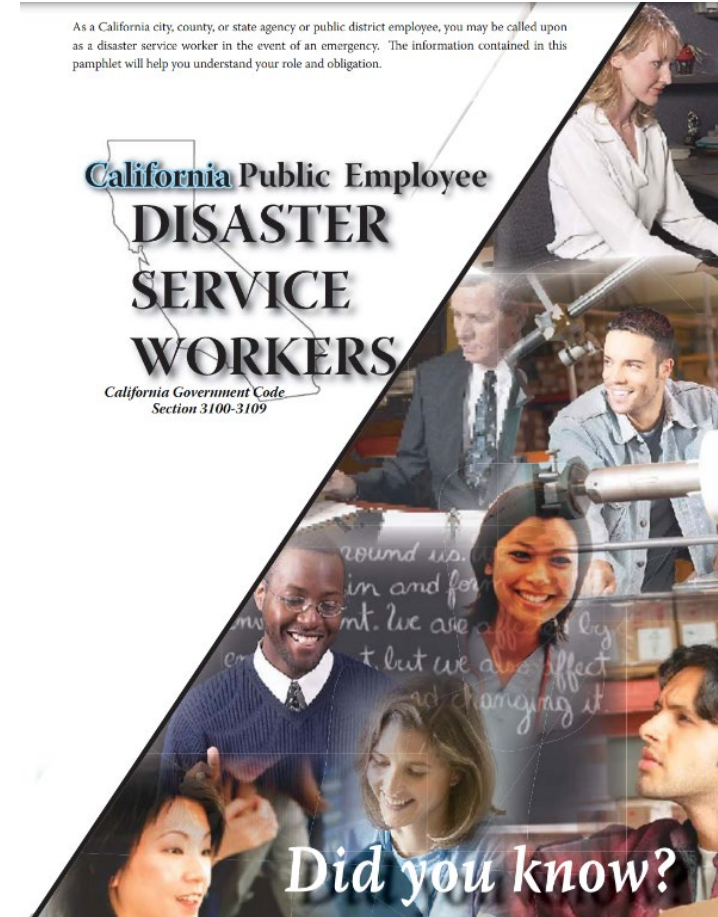
- DSRSD Emergency Operations Center (EOC): **District Office** [*FOF as back-up*]
- Alameda County Office of Emergency Services (OES): **County EOC**, Dublin, CA
- Alameda County Emergency Management Association (ALCO-EMA)
- PG&E Portal
- Mutual Aid Agreements:
 - WARN/WWARN (Water/Wastewater Agency Response Network) (CalWARN)
 - Tri-Valley Intergovernmental Reciprocal Services Master Agreement
 - Operational Area and CA Master Mutual Aid Agreement
 - Alameda County (Zone 7 Water Agency)
 - City of Livermore
 - City of Pleasanton
 - East Bay Municipal Utilities District (EBMUD)
 - Central Contra Costa Sanitary District (CCCSD)

Staff Training & Exercises

CHECK

Disaster Service Workers Government Code Section 3100 – 3109

- Before entering upon the duties of public employment
- Subscribe to oath or affirmation set forth in the California Constitution
- Declares them to be **disaster service workers** in time of need



Staff Training & Exercises

CHECK

FEMA NIMS and Incident Command System (ICS) Training for all staff

- IS-100: Introduction to ICS
- IS-700: Introduction to NIMS
- FY21-FY23, over 400 hours of staff training
- 89% complete

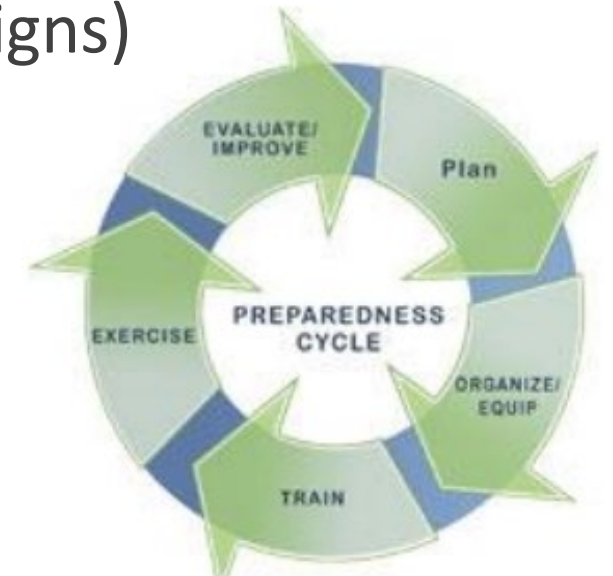


Staff Training & Exercises

CHECK

Trainings Planned for FY24 and FY25:

- Advanced Training for Staff Assigned to EOC functions/roles
- Veoci System and P25 Radios
- All-staff training (new hires/meetings/email campaigns)
- Personal Emergency Preparedness



Staff Training & Exercises

CHECK

Staff Training Exercises Completed in FY22 & FY23

- Emergency evacuation drills – DO, WWTP, FOF Facilities
- Test of intercom system
- Great Shakeout – October 2022

Staff Training Exercises Planned for FY2024

- Emergency evacuation drills – DO, WWTP, FOF facilities – January
- Great Shakeout – October 2023
- Tabletop exercise for EOC staff – Fall 2023

Emergency Response Team



DSRSD Emergency Operations Center Assignments:

SEMS Roles	A Shift	B Shift	C Shift
Emergency Manager	General Manager	Assistant General Manager	Administrative Services Director
Operations Section Chief	Operations Director	Operations Compliance Manager	Plant Operations Superintendent
Planning/Intelligence Section Chief	Engineering Services Director	Senior Engineer / CIP	Senior Engineer / Planning
Logistics Section Chief	Management Analyst / Engineering	Management Analyst / Operations	Management Analyst / Operations
Finance/Admin Section Chief	Finance Manager	Finance Supervisor	Finance Analyst
General Staff			
Liaison	Senior Engineer / Permits	Executive Supervisor	Utility Billing Supervisor
Public Information	Community Affairs Specialist	Visual Communications Specialist	Management Analyst / Executive Division
Safety	Environmental Health and Safety Administrator	Human Resources Analyst	Environmental Health and Safety Technician

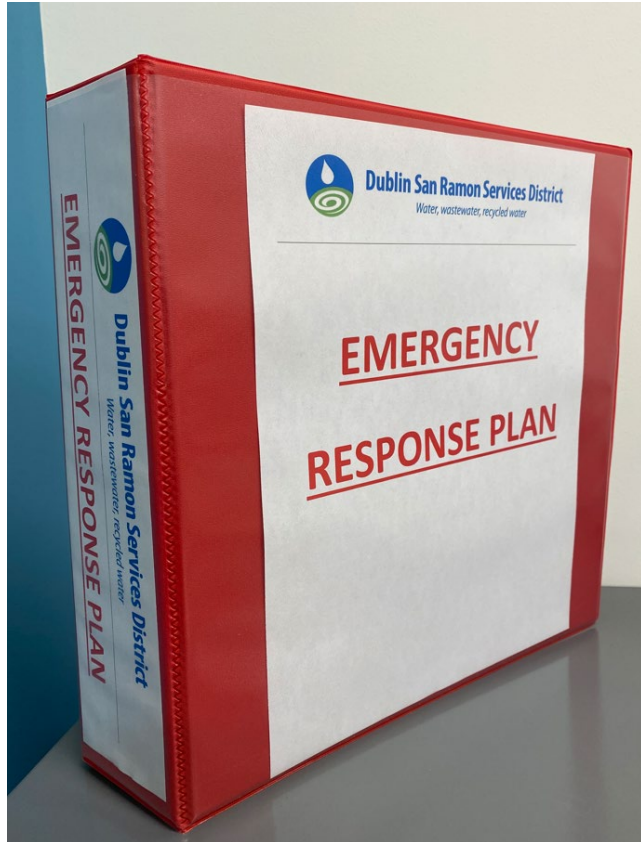
Supervisors, Leads, All EOC Staff

- IS-200: Basic ICS for initial response (2-3 hours)
- IS-800: National Response Framework (3-4 hours)
- IS-2200: Basic EOC functions (4 hours)

EOC Command Staff and General Staff Chiefs

- ICS-300: Intermediate ICS (8+ hours)
- ICS-400: Advanced ICS (8+ hours)
- G0191: EOC/ICS interface (8+ hours)
- E/L/G2300: Intermediate EOC functions (8+ hours)

Conclusion/Next Steps



Engage consulting services to assist with:

- EOC/Disaster Preparedness Gap Analysis
- All-staff training and exercises
- EOC staff training and exercises

Continue to:

- Build/maintain emergency supplies
- Develop and leverage preparedness efforts through inter-agency coordination