



Diablo Canyon Power Plant Biennial Plume Phase Exercise After Action Report

Exercise Date: September 6, September 14 – 15, 2022
Radiological Emergency Preparedness Program



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EXECUTIVE SUMMARY

The United States (U.S.) Department of Homeland Security's (DHS) Federal Emergency Management Agency (FEMA), Region 9, National Preparedness Division, Technological Hazards Branch, evaluated a biennial Plume Pathway Exercise (PPX) for the 10-mile Emergency Planning Zone (EPZ) surrounding the Diablo Canyon Power Plant (DCPP) on September 14 and 15, 2022. A separate out of sequence (OOS) interview was conducted with state of California on September 6, 2022.

During the DCPP PPX, FEMA assessed the ability of state and local offsite response organizations (ORO) to implement plans and procedures to protect the public, in the event of a radiological incident at DCPP.

This biennial PPX is part of the FEMA Radiological Emergency Preparedness Program (REPP) to ensure that adequate capabilities exist to prevent, protect against, mitigate the effects of, respond to, and recover from incidents involving commercial nuclear power plants. The biennial PPX was held in accordance with FEMA's policies and guidance for the implementation of state and local ORO radiological emergency response plans and procedures. This exercise implemented NUREG 0654/FEMA REP 1 Rev 2 document and the REPP Manual (December 2019).

The Extent of Play (EOP) agreements were reviewed and approved by the FEMA Region 9 Acting Regional Assistance Committee (RAC) Chair on July 14, 2022. The EOP agreements were based on the objectives and capability targets outlined in the REPP Manual (December 2019).

The evaluation was held in accordance with FEMA's policies and guidance for the implementation of state and local ORO radiological emergency response plans and procedures. There were no Level 1 or Level 2 Findings, and no Planning Issues.

In summary: the DCPP OROs adequately demonstrated their capability to implement plans and procedures during the exercise and follow up demonstration. The RAC Chair has continued reasonable assurance that measures can be taken to protect the health and safety of the public in the event of a radiological incident occurring at DCPP.

SECTION 1: EXERCISE OVERVIEW

Exercise Name	2022 Diablo Canyon Power Plant Biennial Plume Phase Exercise
Exercise Dates	September 6, September 14, and September 15, 2022
Scope	This exercise is a full-scale exercise at designated offsite response organization
Mission Area(s)	Protection Mitigation Response Recovery
Core Capabilities	Critical Transportation Environmental Health/Response and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communication Operational Coordination Planning Public Health, Healthcare, and EMS Public Information and Warning Situational Assessment
Objectives	Alert and Notification Detect, Measure, Sample, Analyze, and Assess Emergency Operations Management Exposure Control Operate
Threat or Hazard	Release of radiological materials from a licensed commercial nuclear power plant
Scenario	This exercise required coordinated decisions of offsite response organizations to address a radiological hazard from an emergency at Diablo Canyon Power Plant. Offsite response organizations demonstrated the implementation of protective actions to preserve health and safety of the public due to a potential or actual offsite release of radioactive materials from Diablo Canyon Power Plant.
Sponsor	San Luis Obispo County Office of Emergency Services California Governor's Office of Emergency Services Diablo Canyon Power Plant
Participating Organizations	Local, county, state, federal governmental agencies and non-governmental organizations. A complete list of participating agencies and organizations is attached in Appendix B.

SECTION 2: ANALYSIS OF CAPABILITY TARGETS

2.1 Summary Results of Exercise Evaluation

Table 1 below includes the exercise objectives, selected core capabilities and capability targets, and the status of each capability target evaluated during the 2022 Diablo Canyon Power Plant Biennial Plume Phase Exercise evaluation.

Each jurisdiction and functional entity were evaluated based on the demonstration of core capabilities and capability targets. Capability targets are listed, and the demonstration status of those capability targets are indicated using the following terms:

- **Met (M):** The jurisdiction or functional entity performed all activities under the objective/capability target to the level required per the work plan and/or the extent-of-play agreement, with no Level 1 or Level 2 Findings evaluated under that objective/capability target during the current activity and no unresolved prior Level 2 Finding(s).
- **Level 1 Finding (L1):** An observed or identified inadequacy of organizational performance during an assessment activity that could cause a determination that offsite emergency preparedness is not adequate to provide reasonable assurance that appropriate protective measures can be taken in the event of a radiological emergency to protect the health and safety of the public living in the vicinity of an NPP.
- **Level 2 Finding (L2):** An observed or identified inadequacy of organizational performance during an assessment activity that is not considered, by itself, to adversely impact public health and safety.
- **Plan Issue (P):** An observed or identified inadequacy in the ORO's emergency plan/implementing procedures, rather than in that of the ORO's performance.
- **Not Demonstrated (N):** For a justifiable reason, the jurisdiction or functional entity did not perform assessment activities under the objective/capability target as specified in the extent-of-play agreement.
- **Not Applicable (N/A):** The objective/capability target does not apply to the jurisdiction.

Table 1. Summary Results of Capability Targets

Objective	Target	CORE Capability	Status
Objective 1: Emergency Management Operations			
State Warning Center	1.1	Operational Coordination, Planning	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
State Operation Center	1.1	Operational Coordination, Planning	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
County Emergency Operations Center	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
	1.3	Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Planning	M
	1.4	Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Critical Transportation; Planning	M
	1.5	Operational Coordination; Public Information and Warning; Environmental Response/Health and Safety; Critical Transportation; Health and Social Services; Housing; Natural and Cultural Resources; Planning	M
Unified Dose Assessment Center	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M

Objective	Target	CORE Capability	Status
	1.3	Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Planning	M
Field Monitoring Team – A	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Field Monitoring Team – B	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Joint Information Center	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Phone Assistance Centre	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Port San Luis Harbor District	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M

Objective	Target	CORE Capability	Status
	1.5	Operational Coordination; Public Information and Warning; Environmental Response/Health and Safety; Critical Transportation; Health and Social Services; Housing; Natural and Cultural Resources; Planning	M
City of Pismo Beach	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
	1.5	Operational Coordination; Public Information and Warning; Environmental Response/Health and Safety; Critical Transportation; Health and Social Services; Housing; Natural and Cultural Resources; Planning	M
San Luis Coastal Unified School District (SLCUSD) – Los Osos Middle School	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Emergency Alert System - Radio Station 98.1 KKJG	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
County Fire Station #15	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
County Sheriff – Field	1.1	Operational Coordination	M

Objective	Target	CORE Capability	Status
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
County Public Works – Field	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Pismo Beach Police Department – Field	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Pismo Beach Public Works – Field	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Pismo Beach Fire (#63) – Field	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Caltrans – Field Operations	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
	1.1	Operational Coordination	M

Objective	Target	CORE Capability	Status
California Highway Patrol – Field Operations	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
State Parks – Field Operations	1.1	Operational Coordination	M
	1.2	Operational Coordination; Environmental Response/Health and Safety; Public Information and Warning; Mass Care Services; Public Health, Healthcare, and Emergency Medical Services; Situational Assessment; Critical Transportation; Planning	M
Objective 2: Exposure Control			
County Emergency Operations Center	2.1	Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Planning	M
	2.2	Operational Coordination; Environmental Response/Health and Safety; Planning	M
Field Monitoring Team – A	2.2	Operational Coordination; Environmental Response/Health and Safety; Planning	M
Field Monitoring Team – B	2.2	Operational Coordination; Environmental Response/Health and Safety; Planning	M
Port San Luis Harbor District	2.1	Operational Coordination; Environmental Response/Health and Safety; Situational Assessment; Planning	M
	2.2	Operational Coordination; Environmental Response/Health and Safety; Planning	M
City of Pismo Beach	2.2	Environmental Response/Health and Safety	M
San Luis Coastal Unified School District (SLCUSD) – Los Osos Middle School	2.2	Environmental Response/Health and Safety	M
County Fire Station #15	2.2	Environmental Response/Health and Safety	M
County Sheriff – Field	2.2	Environmental Response/Health and Safety	M
County Public Works – Field	2.2	Environmental Response/Health and Safety	M
Pismo Beach Police Department – Field	2.2	Environmental Response/Health and Safety	M
Pismo Beach Public Works – Field	2.2	Environmental Response/Health and Safety	M

Objective	Target	CORE Capability	Status
Pismo Beach Fire (#63) – Field	2.2	Environmental Response/Health and Safety	M
Caltrans – Field Operations	2.2	Environmental Response/Health and Safety	M
California Highway Patrol – Field Operations	2.2	Environmental Response/Health and Safety	M
State Parks – Field Operations	2.2	Environmental Response/Health and Safety	M
Objective 3: Alert and Notification			
State Warning Center	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
State Operations Center	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
County Emergency Operations Center	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
	3.2	Public Information and Warning; Planning	M
	3.3	Public Information and Warning; Planning	M
Unified Dose Assessment Center	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Field Monitoring Team – A	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Field Monitoring Team – B	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Joint Information Center	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
	3.3	Public Information and Warning; Planning	M
Phone Assistance Center	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
	3.3		M
City of Pismo Beach	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Emergency Alert System Radio Station 98.1 KKJG	3.2	Public Information and Warning; Planning	M
	3.3	Public Information and Warning; Planning	M
Port San Luis Harbor District	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M

Objective	Target	CORE Capability	Status
City of Pismo Beach	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
County Fire Station #15 County Sheriff – Field	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
County Public Works – Field	3.2	Public Information and Warning	M
Pismo Beach Police Department – Field	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Pismo Beach Public Works – Field	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Pismo Beach Fire (#63) – Field	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Caltrans – Field Operations	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
California Highway Patrol – Field Operations	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
State Parks – Field Operations	3.1	Operational Communications; Operational Coordination; Situational Awareness; Planning	M
Objective 4: Detect, Measure, Sample, Analyze, and Assess			
County Emergency Operations Center	4.1	Operational Coordination; Environmental Response/Health and Safety; Planning	M
	4.5	Environmental Response/Health and Safety; Planning	M
Unified Dose Assessment Center	4.1	Operational Coordination; Environmental Response/Health and Safety; Planning	M
	4.5	Environmental Response/Health and Safety; Planning	M
Field Monitoring Team-A	4.1	Operational Coordination; Environmental Response/Health and Safety; Planning	M
	4.2	Environmental Response/Health and Safety; Planning	M
Field Monitoring Team-B	4.1	Operational Coordination; Environmental Response/Health and Safety; Planning	M
	4.2	Environmental Response/Health and Safety; Planning	M

Objective	Target	CORE Capability	Status
Objective 5: Operate			
County Emergency Operations Center	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
Port of San Luis Harbor District	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
City of Pismo Beach	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
County Sheriff – Field	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
County Public Works – Field	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
Pismo Beach Police Department – Field	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
Pismo Beach Public Works – Field	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M

Objective	Target	CORE Capability	Status
Caltrans – Field Operations	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
California Highway Patrol – Field Operations	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M
State Parks – Field Operations	5.4	Critical Transportation; Access Control/Identity Verification; Environmental Response/Health and Safety; On-Scene Security, Protection, and Law Enforcement; Operational Coordination; Planning; Situational Assessment	M

2.2 DETAILED RESULTS OF EXERCISE EVALUATION

2.2.1 State Warning Center

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

**

2.2.2 State Operations Center

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.3 County Emergency Operations Center

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.3 – Protective Action Recommendations

Intent: *The capability to use dose assessment and field data, compare this data to the PAGs, and choose among a range of protective actions those most appropriate in a given emergency.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (D.4, J.7, J.8, J.8.b, J.9, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.4 – Protective Action Decisions for the Plume Phase

Intent: *The capability to utilize appropriate factors and necessary coordination in the decision-making process used to make PADs for the public.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (D.1.b, D.4, J.6, J.7, J.8, J.8.b, J.10, J.10.a, J.10.b, J.11.c-g, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.5 – Protective Action Decision Implementation for the Plume Phase

Intent: *The capability to implement precautionary protective action and/or PADs, including evacuation and/or sheltering, for all populations within the plume and ingestion exposure pathway EPZs. The populations include those with access and functional needs, students, and institutionalized individuals.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.4, C.2.a, G.1, J.11, J.11.a, J.11.b, J.11.c, J.11.e, J.11.g, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.1 – Emergency Worker Exposure Control Decision-Making Process

Intent: *The capability to assess and control the radiation exposure and dose received by emergency workers and utilize a decision-making chain to authorize emergency worker exposure limits to be exceeded for specific missions.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 C.2.c, H.11, K.2, K.2.b, K.3, K.3.a, M.1.b, M.8, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 3.2 – Alert and Emergency Information of the Public

Intent: *The capability to provide instructions to the public.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, F.3, and O.1))

All relevant critical tasks were adequately demonstrated

Capability Target 3.3 – Emergency Information and Instructions for Public and News Media

Intent: *The capability to disseminate emergency information and instructions to the public during all phases of an incident.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, G.1, G.2, G.3, G.3.a, G.4, G.5, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 4: Detect, Measure, Sample, Analyze, and Assess

Capability Target 4.1 – Field Monitoring Teams (FMTs) Management

Intent: *The capability to provide overall management of FMTs to direct movements and measurements to characterize the plume and its impacts.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.11, H.13, I.5, I.6, I.9, I.10, M.7, M.8, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 4.5 – Plume Phase Analysis and Dose Assessment

Intent: *The capability to collect data, project doses to members of the public and emergency workers and analyze and communicate the results.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.3, H.13, I.6, I.8, I.10, K.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.4 Unified Dose Assessment Center

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.3 – Protective Action Recommendations

Intent: *The capability to use dose assessment and field data, compare this data to the PAGs, and choose among a range of protective actions those most appropriate in a given emergency.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (D.4, J.7, J.8, J.8.b, J.9, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 4: Detect, Measure, Sample, Analyze, and Assess

Capability Target 4.1 – Field Monitoring Teams (FMTs) Management

Intent: *The capability to provide overall management of FMTs to direct movements and measurements to characterize the plume and its impacts.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.11, H.13, I.5, I.6, I.9, I.10, M.7, M.8, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 4.5 – Plume Phase Analysis and Dose Assessment

Intent: *The capability to collect data, project doses to members of the public and emergency workers and analyze and communicate the results.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.3, H.13, I.6, I.8, I.10, K.3, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.5 Field Monitoring Team – Alpha and Bravo

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 4: Detect, Measure, Sample, Analyze, and Assess

Capability Target 4.1 – Field Monitoring Teams (FMTs) Management

Intent: *The capability to provide overall management of FMTs to direct movements and measurements to characterize the plume and its impacts.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.11, H.13, I.5, I.6, I.9, I.10, M.7, M.8, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 4.2 – Plume Phase Measurements and Sampling

Intent: *The capability to make and report measurements of ambient radiation.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.9, H.11, H.11.a, H.11.b, H.12, H.13, I.2, I.5, I.6, I.7, I.8, I.9, I.10, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.6 Joint Information Center

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 3.3 – Emergency Information and Instructions for the Public and News Media

Intent: *The capability to disseminate emergency information and instructions to the public during all phases of an incident.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.7 Phone Assistance Center

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.8 City of Pismo Beach – Emergency Operations Center

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.5 – Protective Action Decision Implementation for the Plume Phase

Intent: *The capability to implement precautionary protective action and/or PADs, including evacuation and/or sheltering, for all populations within the plume and ingestion exposure pathway EPZs. The populations include those with access and functional needs, students, and institutionalized individuals.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.4, C.2.a, G.1, J.11, J.11.a, J.11.b, J.11.c, J.11.e, J.11.g, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Capability Target 3.3 – Emergency Information and Instructions for Public and News Media

Intent: *The capability to disseminate emergency information and instructions to the public during all phases of an incident.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, G.1, G.2, G.3, G.3.a, G.4, G.5, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.9 Port San Luis Harbor District

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.5 – Protective Action Decision Implementation for the Plume Phase

Intent: *The capability to implement precautionary protective action and/or PADs, including evacuation and/or sheltering, for all populations within the plume and ingestion exposure pathway EPZs. The populations include those with access and functional needs, students, and institutionalized individuals.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.4, C.2.a, G.1, J.11, J.11.a, J.11.b, J.11.c, J.11.e, J.11.g, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Capability Target 3.3 – Emergency Information and Instructions for Public and News Media

Intent: *The capability to disseminate emergency information and instructions to the public during all phases of an incident.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, G.1, G.2, G.3, G.3.a, G.4, G.5, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.10 San Luis Coastal Unified School District / Los Osos Middle School

Objective 1: Emergency Operations Management

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.11 Emergency Alert System – Radio Station 98.1 KKJG

Objective 1: Emergency Operations Management

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.2 – Alert and Emergency Information of the Public

Intent: *The capability to provide instructions to the public.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 3.3 – Emergency Information and Instructions for Public and News Media

Intent: *The capability to disseminate emergency information and instructions to the public during all phases of an incident.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.2, E.4, E.5, G.1, G.2, G.3, G.3.a, G.4, G.5, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.12 County Fire Station #15

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.13 County Sherriff's - Field

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.14 County Public Works - Field

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.15 Pismo Beach Police Department - Field

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.16 Pismo Beach Public Works - Field

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.17 Pismo Beach Fire Station #63 - Field

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

<u>All relevant critical tasks were adequately demonstrated</u>

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.18 Caltrans – Field Operations

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.19 California Highway Patrol – Field Operations

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and*

dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

2.2.20 State Parks – Field Operations

Objective 1: Emergency Operations Management

Capability Target 1.1 – Mobilization

Intent: *The capability to alert, notify, and mobilize OROs to staff facilities in support of emergency operations.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.3, A.4, A.5, C.1, C.2, C.2.a, C.2.b, C.3, E.1, E.1.a, E.3, F.1.c, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Capability Target 1.2 – Direction and Control

Intent: *The capability to provide overall direction and control of response efforts, commensurate with the responsibilities of leadership, as detailed in plans/procedures.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (A.1, A.1.a, A.1.b, A.1.c, A.2, A.3, A.5, C.2, C.2.a, C.2.b, C.3, D.4, E.1, H.6, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 2: Exposure Control

Capability Target 2.2 – Emergency Worker Exposure Control Management

Intent: *The capability of emergency workers to manage dose and exposure, use equipment (e.g., dosimetry, radio protective drugs), and identify procedures to monitor their exposure and dose, including following procedures to obtain authorization to receive emergency exposures in excess of the PAGs.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (C.2.c, H.11, H.11.b, K.2.b, K.3, K.3.a, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 3: Alert and Notification

Capability Target 3.1 – Communications

Intent: *The capability to provide and maintain reliable communications with emergency personnel.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E.1.a, E.3, F.1, F.1.a, F.1.b, F.1.c, F.3, and O.1)

All relevant critical tasks were adequately demonstrated

Objective 5: Operate

Capability Target 5.4 – Traffic and Access Control

Intent: *The capability to select, establish, and staff traffic and access control points and removing impediments to the flow of evacuation traffic.*

Planning Reference: NUREG-0654/FEMA-REP-1, Rev. 2 (E H.12, J.8, J.8.b, J.10, J.10.a, J.11.c, J.11.e, J.11.f, J.14.d, J.14.e, M.1.b, and O.1)

All relevant critical tasks were adequately demonstrated

CONCLUSION

FEMA, Region 9, National Preparedness Division (NPD), Technological Hazards Branch (THB), evaluated a Plume Pathway Exercise (PPX) for the 10-mile Emergency Planning Zone surrounding DCPD on September 14, 2022. The purpose of the biennial PPX was to assess certain aspects of the level of emergency preparedness in response to a simulated radiological incident occurring at or within the vicinity of DCPD. The biennial exercise and related criteria were conducted in accordance with FEMA policies and guidance concerning emergency response plans and procedures. Additionally, some capabilities were demonstrated and evaluated out of sequence from the main portion of the biennial exercise.

Copies of the approved EOP agreements are maintained by FEMA Region 9 NPD/THB.

Based on the evaluation of the biennial PPX, the offsite plans, and procedures for jurisdictions site specific to DCPD can be implemented and are adequate to provide continued reasonable assurance that appropriate measures can be taken to protect the health and safety of the public in the event of a radiological incident occurring at or within the vicinity of DCPD.

Therefore, Title 44 Code of Federal Regulations § 350 (October 2021), approval of the offsite plans and procedures and preparedness for the state of California site-specific to DCPD will remain in effect.

Appendix A: EXERCISE TIMELINE

Emergency Classification Level Event or Action	Time Declared by Utility	Time that Notification Was Received or Action Was Taken				
		SLO EOC	UDAC	JIC	PISMO BEACH EOC	PORT SAN LUIS HARBOR DISTRICT
Unusual Event	N/A	N/A	N/A	N/A	N/A	N/A
Alert	0832			0828	0847	0845
Site Area Emergency	1028	1032	1028	1037	1038	1138
General Emergency	1105	1116	1230	1105	1118	1115
Release of Rad Material Started	1028	1032	1023	1032	1037	1038
Release of Rad Material Terminated	N/A	N/A	N/A	N/A	N/A	N/A
Facility Declared Operational		0920	0925	0927	0915	0845
Declaration of State/Local Emergency (drafted)		1326		1326	1120	1326
Exercise Terminated		1411	1410	1410	1326	1410
Precautionary Action Recommendations:						
EWs in PAZ 1 & 2 to ingest KI		1054	1054		1054	
Agriculture Protective Measure for PAZ 1 & 2		1103	1103		1103	
Agriculture Hold Order issued for PAZs 1 and 2 and all marine products within 10 NM		1304	1304		1304	
Port San Luis Harbor – T/ACP setup						0952
General Information Message Only:						
1 st Siren Activation:		1120				
1 st EAS Message:		1128		1131		
2 nd Siren Activation:		N.A.				
2 nd EAS Message:		1229		1235		
3 rd Siren Activation:		1249				
3 rd EAS Message:		1252		1252		
KI Administration Decision:						
Emergency Workers		1048		1051	1054	
General Public		1239	1239	1239	1240	

Appendix B: ADDITIONAL INFORMATION

Participating Organizations

Federal
Federal Emergency Management Agency
State
California Governor's Office of Emergency Services
California Governor's Office State Warning Center
California Governor's Office State Operations Center
California State Parks – San Luis Obispo Coast District
California Highway Patrol
Caltrans
County
San Luis Coastal Unified School District
San Luis Obispo County Fire Station #15
San Luis Obispo County Office of Emergency Services
San Luis Obispo County Public Works
San Luis Obispo County Sheriff's
Local
City of Pismo Beach
Los Osos Middle School
Port San Luis Harbor District
Private
Radio Station KKJG – FM 98.2 MHz – AGM California, Inc.
Diablo Canyon Power Plant – Pacific Gas & Electric

Acronyms and Abbreviations

ACRONYM	DESCRIPTION
AAR	After Action Report
DCPP	Diablo Canyon Power Plant
DHS	Department of Homeland Security
EAS	Emergency Alert System
ENDEX	End Exercise
EOC	Emergency Operations Center
EOP	Extent of Play
EPZ	Emergency Planning Zone
FEMA	Federal Emergency Management Agency
GE	General Emergency
IP	Improvement Plan
JIC	Joint Information Center
KI	Potassium Iodide
ORO	Offsite Response Organization
L1	Level 1
L2	Level 2
LE	Law Enforcement
M	Met
N	Not Demonstrated
N/A	Not Applicable
NPD	National Preparedness Division
NPP	Nuclear Power Plant
P	Plan Issue
PAD	Protective Action Decision
PAR	Protective Action Recommendation
PPX	Plume Pathway Exercise
REPP	Radiological Emergency Preparedness Program
SOC	State Operations Center
THB	Technological Hazards Branch
U.S.	United States