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December 8, 2021

**CCR Program Documentation
FC_EAPMeeting_021_20211208**

Subject: EAP – Documentation of Annual Exercise – Four Corners

This document serves as Notification of an annual face-to-face meeting or exercise between representatives of APS and local emergency response agencies as required by 40 CFR 257.73(a)(3)(i)(E). The exercise was coordinated with and by the local emergency response agency with jurisdiction, and as described in the Emergency Action Plan.

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San Juan County Office of Emergency Management “SJC Dams (Zoom) 2021” Tabletop EAP (EPROD) Blanco Dam After Action Report and Improvement Plan (AAR/IP)

December 8, 2021



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Administrative Handling Instructions

1. The title of this document is the SJC Dams 2021 Functional Exercise, After Action Report and Improvement Plan (*AAR/IP*).
2. Information gathered in this AAR/IP is designated as For Official Use Only (FOUO) and should be handled as sensitive information that is not to be disclosed. This document should be safeguarded, handled, transmitted, and stored in accordance with appropriate security directives. Reproduction of this document, in whole or in part, without prior approval from San Juan County office of Emergency Management or Enterprise Products is prohibited.
3. For more information about the exercise, please consult the following points of contact (POCs):

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EPROD
Enterprise Products
San Juan Basin

Mari E. Garcia,
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Dams Safety Bureau
Charles Thompson, Chief
State Engineers Office

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charles.thompson@state.nm.us

Strengths

The strengths identified during this exercise are as follows:

- Thank you to Charles Thompson, Chief Dams Safety Bureau.
- Excellent dialogue with other Dam Owners in San Juan County on EAP.
- Thanks to Enterprise (EPROD) once again for their presentation.
- Agency and Dam Owner collaboration! Good information was shared.
- Relevant questions related to the EAP.
- The exercise was valuable. Allowed us all to understand requirements.
- County Dams Owners have bought into the concept of having TTX/Functional exercises annually! (Thank you)
- Explanation of High Hazard Dams and the need to attend these TTX annually.
- Homeland Security PSA is willing to come to your Dam and do a vulnerability assessment.
- Explanation of reverse 911, IPAWS.

Areas for Improvement

During the Table Top exercise some opportunities for improvement in the Safety plans were identified. Action Items, including some recommendations, are as follows:

- “FEMA P-64 Guidance
http://www.fema.gov/media-library-data/5b20db599c212f77fd5e85d256f471a3/EAP+Federal+Guidelines_FEMA+P-64.pdf (Attached to this document Via PDF)
- When you call Dispatch (911) Speak plain Text (No Codes) (No Levels)
- Become more familiar with potential hazards associated with Dams.
- More (Dam) owner participation/representation needed.
- More First Responder attendance needed.
- PIO Attendance.
- Complete a full walk-through of the EAP Process.
- Update your EAP annually.
- Test your call tree.
- Have all Dam owners send their EAP’s to 911 Dispatch? (If you have not already). Call Crystal Arellano @ 334-6622 to be sure.
- Better participation from all agencies next year

Overall, the Table Top was successful. When agencies get together and discuss problems and shortfalls; the outcome is always a positive experience. EPROD (Blanco) Dam is proactive and has implemented plans, procedures, and safety into their plan.

Homeland Security Exercise and Evaluation Program (HSEEP)

After Action Report/Improvement Plan (AAR/IP) Dams 2021 Functional/TTX

Exercise Planning Team

Mike Mestas, Emergency Manager San Juan County

Charles Thompson, State Engineers Office, DAMS Safety Bureau

Mari E. Garcia, Enterprise Products – San Juan Basin (EPROD)

Ali Rye, Emergency Mgmt. Coordinator; San Juan County

Participating Organizations

State of New Mexico

DAMS Safety Bureau

Response Agencies:

San Juan County Office of Emergency Management

San Juan County 911 SJCCA

Dam Owners:

EPROD: Blanco Dam

City of Farmington: Farmington Lake Dam & Retention Dams

Four Corners Power Plant/APS; Morgan Lake Dam

PNM Power Plant

PaloVerde Generating Station (Jeannie Bell)

Players: 14

Evaluators: 1

Facilitator; 2

Observers; 0

Total: 17

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After Action Report/Improvement Plan (AAR/IP) Dams 2021 Functional/TTX

Dams TTX 12/8/21

Exercise Notes

Dam Requirements:

- Tabletop exercise
- Submitting EAP/ERP

Current locations being discussed based on organizations present:

- San Juan Generating Station
 - o Changed flow paths to decrease exposed risk (12ft to 8inches)
- Enterprise – Blanco Dam/Reservoir
- Farmington – 30th/Farmington Dam/Martin Arroyo/ PV Dam
- APS – Morgan Lake Dam:

Notes

- (Dispatch) Would utilize Everbridge for mass notifications
- There are regulations in place on driving over dams and fishing from Reservoir.
- Homeland Security evaluations of Dams can occur.
- Knowing that OEM can help organizations with notifications to outside agencies helps a ton
- Scenarios depicted in the TTX would trigger a Level 1 at Enterprise/APS/PNM
- Give POC for incident and POC location during the 911 call to be passes along to IC
- Prepare for Media
 - o Location for them to stage
 - o Provide appropriate information in a timely manor
 - o Coordinate with PIO/PIO group/OEM to help with messaging
- Depending on situation that is described to dispatch will depend on what type of CAD Card will drop. More information given will mean more/more accurate resources to be dispatched
- Call 911 not Non-Emergency
- Most calls go through the plant control room then out to 911
 - o Plants 911 calls that go to Shiprock will be rerouted to SJC Dispatch
 - o A test with Dispatch would be a good idea
- Enterprise: EAP and ERP are separate documents that contain separate pertinent information (Follow up with Dispatch) Ensure plans are separate in CAD.
- Make sure plans are updated and available to those who need it
 - o OEM
 - o Dispatch
 - o NMOSE

Homeland Security Exercise and Evaluation Program (HSEEP)

After Action Report/Improvement Plan (AAR/IP) Dams 2021 Functional/TTX

CAPABILITY 1: Capability 1: Onsite Incident Management

Capability Summary: Onsite incident management is the capability to effectively direct and control incident management activities by using the Incident Command System (ICS) consistent with the National Incident Management System (NIMS). As a capability outcome, the incident is managed safely, effectively and efficiently through the integration of facilities, resources (personnel, equipment, supplies, and communications) and procedures using a common organizational structure that is ICS.

A capability for evaluation of the Functional was: **Emergency Action Planning (EAP)**

Activity 1: EAP

Activity Description: Review Emergency Action Planning Documents for Dams.

Summary of Strengths

Activity: Discuss Full On-Site Incident Command & Emergency Action Plans

Activity Description: Discussion on staff and facilities necessary to conduct EAP Planning.

Emergency Planning Observation:

Analysis: Emergency Procedures were known by the majority of personnel in the room. Most players knew their positions and responsibilities during an emergency.

Analysis: Excellent exchange of information. Most members contributed to the scenario discussion.

Areas for Improvement

Activity 2: Participation/Review from Dam Owners.

Activity Description: P-64 Guidance

Analysis: P-64 Guidance for participation and requirements

CONCLUSION

Agencies and EPROD (Blanco) Dam exhibited the level of cooperation that is needed for a sustainable response. Table Top Exercises continue to be valuable as a method for improving incident response management. Combined with regular EAP updates & exercises that focus on the response and evacuation will pay dividends during a real-world emergency.

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Capability	Observation Title	Recommendation	Corrective Action Description	Primary Responsible Agency	Agency POC	Start Date End Date
Agency Attendance	<u>No 1.</u> Attendance	<u>Recommendation</u>	Need Fire and Police to attend. Need all Dams owners to attend. Help from State Engineers office, to suggest they attend.	Dam owners and SJC OEM	EM	Dec 2022
Guidance	No 2 Requirements	<u>Recommendation:</u> <u>FEMA P 64</u>	P-64 guidance	State Engineers office	<u>State</u> Chuck Thompson	2022
Exercise	Call Tree	<u>Call tree exercise per</u> <u>State Engineer office</u>	N/A update your EAP numbers	Dam Owner		Prior to Inspection

IMPROVEMENT PLAN

This IP has been developed as a result of the SJC Dams 2021 TTX conducted on 12/08/2021. These recommendations draw on comments and review from the exercise. The IP should include the key recommendations and corrective actions identified. The IP has been formatted to align with the Corrective Action