

August 12, 2019

Facility Emergency Action Plan



&



Vollmer Substation

August 12, 2019

1. **Name:** Mountain View Electric Association, Inc. & Tri-State Generation and Transmission Association, Inc. Vollmer Substation

2. **Location:**

- SW¼ SE¼ Section 34 Township 12S Range 65W
- Latitude 38°57'19.21"N, Longitude 104°39'2.01"W

3. **Emergency Telephone Numbers:**

	<u>Day</u>	<u>Night</u>
Facility Primary:	800-230-6180	800-230-6180
Facility Secondary:	303-452-6111	303-452-6111
<u>Fire District</u>	911	911

Black Forest Fire Protection District

<u>Ambulance Service Area</u>	911	911
--------------------------------------	-----	-----

Black Forest Fire Protection District

El Paso County Regional Communications Center

911	911
-----	-----

Other

Chemtrec (Chemical Transportation Emergency Center) (800) 424-9300

4. **Agency Notification Non Emergency:** **Phone#**

Black Forest Fire Protection District:	719-495-4300
--	--------------

Ambulance Service Area:	719-495-4300
-------------------------	--------------

El Paso County Sheriff's Office:	719-390-5555
----------------------------------	--------------

Office of Emergency Management	719-575-8424
--------------------------------	--------------

5. **Surrounding Occupancies & Land Use**

Surrounding land use is mainly agricultural land and single-family residences. The substation site will be located within the Sterling Ranch development that will include predominantly residential lots and commercial spaces.

August 12, 2019

6. **Personal Protective Equipment Available:** **Location**

Self-Contained Breathing Apparatus:	Fire Department
Spare-Compressed Breathing Air Bottles:	Fire Department
Boots, Gloves, Hard Hats, and Eye Protection:	Tri-State Colorado Springs Field Facility

7. **Location of Emergency Equipment & Supplies:** **Phone#**

Spill Cleanup Kit	Onsite: Control House
Fire Extinguishers	Onsite: Control House, Staff Trucks
Misc. Emergency Equipment:	MVEA Falcon Facility
First-Aid Supplies	Staff Trucks, MVEA HQ, & Tri-State Field Facility

8. **Location & Types of Water Supplies:**

4,800 gallons of water storage is available on-site. The substation is located in a developing subdivision and fire hydrants will soon be available in close proximity to the site.

****Never attempt to fight a fire in any MVEA or Tri-State electrical facility with water without consent and instruction from MVEA or Tri-State staff.****

9. **Transportation routes:**

Access to the substation will be by Mohawk Rd. and Woodmen Rd. The route from the Tri-State Field Facility in Colorado Springs will be CO 21 to Woodmen Rd to Mohawk Rd. The dedicated entrance will be accessed via a temporary access road from the northern terminus of Mohawk Rd., until newly developed roads provide more immediate access to the substation. An alternate route would be Hwy 24 to Woodmen Rd. to Mohawk Rd.

Most chemicals/products are delivered by Tri-State via Tri-State staff and vehicles or contractors of Tri-State (varies greatly). There will not be regular shipments of materials or chemicals to this facility, as it is an unmanned electrical substation housing electrical equipment and batteries.

Any deliveries will most likely be electrical equipment including breakers, relays, transformers, batteries, etc. Chemicals of interest could be dielectric fluids such as mineral oil, SG6 gas for

August 12, 2019

circuit breakers, and battery acid for battery banks as well as miscellaneous small quantities of chemicals necessary to perform work.

10. **Action Items and Response:**

****Never enter an energized facility or a facility in an unknown state of operation or energization.**** If access to a facility is needed, MVEA or Tri-State staff must always be present and made aware of the request to ensure all parties safety and compliance to various standards. The dedicated entrance of the substation is off Mohawk Rd. just north of Woodmen Rd. Do not try to access the substation without MVEA or Tri-State staff approval and presence.

Our worst-case scenarios are as follows:

- A. Electrical fire or dielectric fluid/gas release due to electrical equipment damage or malfunction. MVEA and Tri-State substation maintenance staff would respond to the emergency to de-energize the substation so that maintenance/fire/cleanup crews could make repairs, fight the fire, or cleanup as necessary. **Never enter an energized facility or a facility in an unknown state of operation or energization.** MVEA and Tri-State substation maintenance staff are always available to respond to emergencies upon request.
- B. Battery bank failure causing a release of dilute sulfuric acid (S.G. ~1.215, ~30%) in the control house. Acid would be contained within the substation control house and MVEA or Tri-State substation maintenance staff would respond to the emergency and provide cleanup service within their training. Outside cleanup contractors may also be utilized for larger releases.
- C. Flooding of substation due to large amounts of precipitation. MVEA or Tri-State substation maintenance staff would respond to the emergency and provide sand bagging, ditching, etc. as necessary.

11. **Coordination with First Responder Agencies:**

August 12, 2019

First responder agencies will receive this plan during El Paso County 1041 review. In addition, Tri-State coordinated with Black Forest Fire Rescue Deputy Chief, Jim Rebitski, in development of this plan.

Other Hazardous materials stored on site if non Tier II Facility?

1. Battery Bank Electrolyte (dilute sulfuric acid, ~30%) 60 cells at 4.5 pounds/cell of pure H₂SO₄, therefore 270 pounds of H₂SO₄. **Exact Weight Manufacture Dependent

12. Safety and Training Review:

Each year, all employees are provided with all necessary information concerning the proper handling of a chemical spill or accident. This information shall be in the form of a review sheet detailing proper procedures, which shall be signed and dated by each employee when all items are understood. Also, proper use of cleanup and containment tools and procedures will be demonstrated as necessary. Any new or updated information or procedures will be taught to employees immediately when applicable.

Facility Manager _____ Date _____

Fire Dept. Official _____ Date _____

El Paso County OEM _____ Date _____