

February 4, 2020

# Facility Emergency Action Plan



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## Vollmer Substation

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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:**

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

Black Forest Fire Protection District

<b><u>Ambulance Service Area</u></b>	911	911
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Black Forest Fire Protection District

**El Paso County Regional Communications Center**

911	911
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**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.

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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

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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. **Wildland Fire Mitigation Measures for Construction and Maintenance**

- A. Tri-State and MVEA will require its employees, contractors and employees of contractors to do everything reasonable within their power, expertise, and assessment of human safety to prevent and suppress fires resulting from construction or maintenance activities.

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In case of fire suppressed by the contractor, the contractor will report its occurrence to the appropriate agency immediately.

- B. Before each workday “tail-board” safety meeting will be held and include discussion of risks to fire and other hazards.
- C. All work areas will be mowed prior to construction to reduce the risk of grass fire ignition from vehicles.
- D. Fuels and flammable materials may not be stored on the project site. They may be located in approved containers in a truck. For example, an approved diesel tank in the back of a truck, or dolmar with chainsaw fuel. No fuel or flammable substance will be stored in any glass container.
- E. Welding operations are subject to the following additional provisions:
  - a. There will be no welding when winds are over 15 miles per hour; and
  - b. Welding will occur only in areas cleared of all flammable vegetation and materials at a minimum radius of 30 feet from the welding operation.
- F. Exhaust systems of vehicles will have an acceptable muffler and will be in proper working condition. All motorized equipment and machinery will be equipped with spark arresters.
- G. Type ABC rated fire extinguishers are required and will be available during all operations.
- H. Vegetation within the Transmission line Easements will be limited to low growing vegetation to maintain clearance requirements and prevent ignition potential from the transmission line.

## **12. Coordination with First Responder Agencies:**

First responder agencies will receive this plan during El Paso County 1041 review. In addition, Tri-State coordinated with Deputy Chief Jim Rebitski of Black Forest Fire Rescue, Fire Chief Herwig of Falcon Fire Protection District, and Deputy Chief & Emergency Manager Linnie Inzer of Pikes Peak Regional Office of Emergency Management 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 H<sub>2</sub>SO<sub>4</sub>, therefore 270 pounds of H<sub>2</sub>SO<sub>4</sub>. \*\*Exact Weight Manufacture Dependent

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**13. 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.