



January 28, 2026

Re: Battery Fire Air Monitoring Synopsis
Convergent Energy & Power's Church Street Battery Storage Facility
28 Church Street
Warwick, NY 10990

INTRODUCTION

On December 19, 2025, a fire occurred at the energy storage developer Convergent Energy & Power's Church Street Battery Storage Facility at 28 Church Street in Warwick, New York. The lithium-ion phosphate battery units on site are intended to supply electrical backup to the grid during peak or emergency energy needs. The Battery Energy Storage System (BESS) facility is at the rear of a commercial business park.

The fire was confined to one container unit. The fire was reported at 10:19 PM on December 19th. The Orange County Hazardous Materials Management (HAZMAT) team began providing continuous air monitoring at 12:27 AM on December 20th. Air monitoring persisted until 2:00 PM on December 22, 2025.

The HAZMAT team continuously monitored the air at 3 locations surrounding the fire in 1-minute increments. The 3 air monitoring sites were at the following locations:

- Warwick Little League Park, 24 Memorial Park Dr, Warwick, NY (approximately 600 feet south of the site)
- Southeast Corner of the Burn Site
- Northeast Corner of the Burn Site

The HAZMAT team measured the concentrations of the following chemicals in the air:

- Carbon Monoxide (CO)
- Hydrogen Cyanide (HCN)
- Ammonia (NH₃)
- Volatile Organic Compounds (VOCs)
- Chlorine (Cl₂)

The maximum concentrations of each of these chemicals are compared to their regulatory limits below. These regulatory limits are from the U.S. Environmental Protection Agency (EPA) and the New York State Department of Environmental Conservation (NYSDEC). Occupational Safety and Health Administration (OSHA) short-term exposure limits have been included if an EPA or NYSDEC regulatory limit is not available for the chemical, but OSHA limits are just for information only as they are designed for workplace air quality (breathing zone of workers), not general ambient air.

AIR MONITORING SYNOPSIS

Below is a synopsis of the highest readings recorded for each chemical. All concentrations are shown in parts per million (ppm). Please note that the maximum concentration did not occur during the entire time periods stated below.

Carbon Monoxide (CO)

- Maximum Detection: **4 ppm**
- Regulatory Limit: **9 ppm** (EPA and NYSDEC)
- Timing and Location:
 - Between midnight and 8:00 AM on December 20, 2025, at Warwick Little League Park

Hydrogen Cyanide (HCN)

- Maximum Detection: **1.5 ppm**
- Regulatory Limit:
- None (OSHA has Short-Term Exposure Limit of **4.7 ppm**)
- Timing and Location:
 - Between midnight and 8:00 AM on December 20, 2025, at Warwick Little League Park
 - Between 8:00 PM and 8:00 AM on December 20-21, 2025, at Warwick Little League Park

Ammonia (NH₃)

- Maximum Detection: **1.0 ppm**
- Regulatory Limit:
- None (OSHA has Short-Term Exposure Limit of **35 ppm**)
- Timing and Location:
 - Between midnight and 8:00 AM on December 20, 2025, at Warwick Little League Park
 - Between 8:00 PM and 2:00 PM on December 21-22, 2025, at the Northeast Corner of the Burn Site

Volatile Organic Compounds (VOCs)

- Maximum Detection: **0.3 ppm**
- Regulatory Limit:
 - None (New York State Department of Health [NYSDOH] Community Air Monitoring Plan requires corrective action if the ambient air at a worksite exceeds **5 ppm** of VOCs)
- Timing and Location:
 - Between midnight and 8:00 AM on December 20, 2025, at Warwick Little League Park

Chlorine (Cl₂)

- Maximum Detection: **0.5 ppm**
- Regulatory Limit:
- None (OSHA has Short-Term Exposure Limit of **1 ppm**)
- Timing and Location:
 - Between midnight and 8:00 AM on December 20, 2025, at Warwick Little League Park

