

Middle Mile Infrastructure (MMI) understands that safety and transparency are important to everyone in the community, and we appreciate the opportunity to provide more information.

This facility is held to the same building and fire safety codes as any other structure in the City of Sandy. There are no special exemptions or separate standards—it must meet all local requirements just like any other facility.

Before any construction or operation can begin, the building must be reviewed and approved by the appropriate city departments, including fire safety officials. It has been confirmed that the building meets all applicable codes. If there are specific questions about fire safety, the **City Fire Marshal's office** is the best resource, as they oversee and enforce these standards.

### **Regulatory Oversight and Safety Standards**

All construction and operations must comply with:

- **Sandy City Building & Safety Division** requirements
- **International Building Code (IBC)** is a model code that provides minimum requirements for building systems to ensure public health, safety, and welfare. Inline fiber huts must comply with IBC provisions related to structural integrity, occupancy classification, fire resistance, and accessibility.
- **Sandy City Fire Code**, which adopts the **International Fire Code (IFC)** with local amendments
- National fire codes (NFPA 70 and NFPA 90A) and applicable state/local building codes.
- **Utah State Construction and Fire Codes Act (Title 15A)**
- **National Electrical Code (NEC)**, published by the National Fire Protection Association (NFPA), provides detailed requirements for the installation of fiber optic cables and related equipment. Article 770 of the NEC specifically addresses optical fiber cables, including fire resistance ratings, conduit use, and protection from physical damage. Installations must conform to NEC standards to ensure safety and reliability.

The **Sandy City Fire Marshal's Office** is responsible for fire safety inspections and enforcement.

To clarify, the building **does not store hazardous chemicals**. It houses **backup batteries** designed to provide power during outages. These systems are commonly used in commercial and public infrastructure and are installed under strict safety protocols.

## Addressing Community Concerns

We understand that neighbors have expressed concerns about:

- **Chemical hazards:** The batteries do not contain volatile chemicals in quantities that pose a public hazard. They are sealed systems and regulated under national safety standards.
- **Explosion or fire:** The back up generators for this site are natural gas and no fuel is stored at the site.
- **EMP (Electromagnetic Pulse):** EMP risks are **not associated** with this type of installation. The batteries do not emit or amplify EMPs.
- **Environmental impact:** The systems are installed and maintained to minimize any environmental or health risks. Disposal and incident response procedures follow **EPA and industry guidance**.

We are committed to ensuring this facility operates safely and responsibly, and we welcome continued dialogue with the community.

October 10, 2025

City of Sandy  
10000 S Centennial Parkway (170 W)  
Sandy, UT 84070

**EMF Statement**

Dear Site Plan Reviewer,

During the neighborhood meeting, the City of Sandy was asked for an EMF statement for our Fiber ILA Utility construction. Through our research into the different codes and regulations, the City of Sandy has no standards for a max magnetic field level for a communications facility/utility and neither does the State of Utah.

By using the Maxwell equation as shown below. With the current in the wire at 600 Amps ( $I$ ) and using a distance of 28.5 feet ( $d$ ), which is the closest distance in all future buildouts to the nearest utility/storm/sewer easement from the side of the ILA building. We get a Magnetic Field of 13.814 MicroTesla or 138.14 Milligauss.

$$B = \frac{\mu_0 I}{2\pi d}$$

where:

- $I$  – Current flowing through the wire;
- $d$  – Distance from the wire;
- $B$  – Strength of the magnetic field produced at distance  $d$ ;
- $\mu_0$  is the permeability of free space, which has the constant value of  $\mu_0 = 4\pi \times 10^{-7} \text{ T} \cdot \text{m/A}$  (2019 definition).

Outside the State of Utah, the World Health Organization defers their guidelines to the International Commission on Non-Ionizing Radiation Protection, (ICNIRP). The ICNIRP has set a general public reference level at 100 MicroTeslas, which at 13.814 MicroTeslas at 28.5 feet our facility is below this threshold as well. And well beyond the threshold at the property lines.

Therefore, the fully constructed Fiber ILA fully complies with state regulations and with worldwide standards.

Yours sincerely,

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