

# Long-Term Diesel Fuel Storage Best Practices

*An EGSA Recommended Practice in development. Presented to the membership for agreement on objective.*

Prepared at the request of EGSA leadership by Corey Agnew, Dan Bordui, and Joseph Dickinson | September 2026

## The Problem

Diesel has a specification at the point of sale. It has none for the two, five, or ten years it then sits in a tank waiting for an outage. NFPA 110 requires annual fuel testing to appropriate ASTM standards, however; these current standards do not address the viability and quality control necessary to ensure the fuel can be used without negative circumstance.

The result is fuel that meets every applicable standard on delivery can still plug filters, foul injectors, and damage engines when the generator is needed.

## The Document

A best practices document, not a code. It gives the end user clear, defensible guidance on keeping stored diesel at the quality required to protect the engine: what to sample, how often, which ASTM methods to use, what the results mean, and what to do when fuel falls out of range. It is written in alignment with NFPA 110, FEMA P-1019, STI R111, and applicable ASTM standards, and is intended to serve as a foundation for future code development through the appropriate standards bodies.

A draft is available to any member who wants to review it.

## What We Are Asking For Today

- **Agreement on the objective.** That EGSA endorses the direction: a practical best practices document addressing diesel fuel quality over long-term storage.
- **People.** Members willing to review the draft and contribute from their own angle, including generator OEMs, dealers and distributors, service providers, fuel suppliers, laboratories, and end users in healthcare, data center, and critical facility applications.

The document itself is not in question at this stage. We are seeking approval on the direction, then are asking for help to pressure test the content.

## What Participation Looks Like

- Read the draft and mark what is wrong, unworkable, or missing in the field.
- Contribute evidence: failure histories, laboratory data, tank conditions, and what you see in your own territory.
- One written review pass and one working call. Nothing more is expected.

**Please let us know by October 1 if you have interest in joining us.**

Reach out to any of the following:

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|-------------------------------------------------------------------------------|----------------------------------|
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