

Above-Ground Fueling System – Equipment Specifications

1. Project Overview

This package outlines the proposed configuration for an above-ground fueling system using an Eaton Metals Fireguard® 12,000 gallon diesel tank, Wayne Select high-speed dispenser, fuel management system (Dover PV200 or PDI SmartSite Lite), OPW ProGauge MagLink LX Plus ATG, and optional DEF (Diesel Exhaust Fluid) mini-bulk system.

2. Equipment Schedule

| Item | Description | Preferred Manufacturer/Model |
|-----------------|---|---------------------------------------|
| Tank | 12,000 gal Fireguard Above-Ground Tank, UL-2085, insulated, double-wall | Eaton Metals |
| Platform | Steel platform with non-skid grating, bollards, guardrails | Fabricated to spec |
| Dispenser | High-speed dual-hose dispenser, 40–60 GPM per side | Wayne Select |
| Pump/Filtration | 5–10 HP pump skid, particulate + water + final filtration | OPW / Gorman-Rupp / Fill-Rite |
| Hose Reels | 2x spring/motor rewind reels, 50–75 ft hoses, high-flow nozzles | OPW / Hannay / Coxreels |
| FMS | Fuel management pedestal with card/driver/vehicle auth | Dover OPW PV200 or PDI SmartSite Lite |
| ATG | Automatic Tank Gauge system, probes, NEMA 4X enclosure | OPW ProGauge MagLink LX Plus |

| | | |
|---------------------|--|------------------------------------|
| Rain Shield + Light | Canopy over platform, snow-rated, with LED area light (C1D2 install) | Custom steel canopy / Dialight LED |
| Electrical | Conduit, bonding, E-Stop, UPS, cellular LTE gateway | UL-listed components |
| DEF System (Option) | 500–1,000 gal DW heated & insulated DEF tank with pump + reel | Blue1 Energy / KleerBlue / OPW |

3. Draft Specification / Scope Notes

- Tank to include normal & emergency vents, spill container, drop tube with overflow prevention, and interstitial monitoring.
- Dispenser platform shall support Wayne Select high-speed dispenser, FMS pedestal, and NEMA box for ATG.
- Dispenser hoses must reach opposite-side dual tanks; reels sized at 50–75 ft.
- Fuel Management System shall integrate with dispenser pulsers, authorize pump operation, and report transactions remotely.
- ATG shall include probes for diesel (and DEF if included), high-level alarm horn/strobe, water detection, and leak monitoring.
- Electrical work per NEC Class I, Div 2 requirements; provide site grounding and truck ground clamp.
- Provide rain shield with integrated LED lighting over fueling platform.
- DEF option to be installed in heated/insulated mini-bulk tank with dedicated reel, nozzle, and integration to both FMS and ATG.