

# Ground Up Bulk Storage Plant



**ABOVE:** Bulk plant with 60' x 105' storage building.



**ABOVE:** Three (3) 24,000 bulk above ground storage tanks.



**ABOVE:** Bulk bottom feed loading rack.

## Illinois - November 2013

Seneca Companies' Fuel Systems division provided general contracting services for a new ground up petroleum bulk storage facility, including providing in-house services for the project. This project included supervision and oversight of the pre-construction site preparation with grading of the lot for the facility. Seneca furnished a 60' x 105' drive through load out building featuring six (6) 14' x 15' insulated overhead doors for truck traffic, five (5) 36" x 80" pass through door ways for foot traffic, one (1) sliding door on tracks and a small office inside the building.

Seneca provided concrete work for the concrete containment dike to hold the above ground storage tanks (AST) including the containment walls for this system. Seneca also provided all electrical services for this project, which features all explosion proof electrical for OSHA Class 1 – Division 1 areas. This bulk storage system features one (1) 10K underground storage tank (UST) for biodiesel storage, one (1) 8.4K AST for DEF product storage including one (1) Klear Blue™ Portable DEF Bulk Transload / Delivery Cart and three (3) 24K vertical AST storage tanks for petroleum gas products.

The load out system designed by Seneca features bottom load out capabilities through a rack system designed inside the building. System includes 850' of 3" welded pipe for load out and fill lines, one (1) OPW® Civacon Tank Monitoring System, three (3) Blackmer® GX3E positive displacement pumps for 225GPM flow rate, four (4) Liquid Controls® M25-K-1 3" meters and explosion proof 3" electric solenoid valves for product load out. The biodiesel tank also features a full heating system and insulation of the product line for winter use. This entire system was designed and built to the specifications of the Client.

Seneca handled all required permitting and paperwork to complete this project.



*The Complete Solution*

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