

Blue Flint Ethanol E85 Blending Facility

Blue Flint Ethanol

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Project summary

The purpose of the installation of an E85 blending skid was to eliminate splash blending E85. Splash blending has proven less cost effective and provides a poor consistency in the final blended product quality. This was accomplished by installing a blending skid that side stream blends ethanol and denaturant or unleaded gasoline as it loads out.

To accomplish the installation of the E85 skid a pump and piping needed to be added to the existing equipment at Blue Flint to pump from the blend product tank to the truck load out skid. A blending skid was added next to our current ethanol load out skid. The blending skid controls were integrated into the existing load out skid controls providing a single load point for any blended product. Side stream blending allows the denaturant or unleaded gasoline to be blended or injected into the ethanol line just prior to it being loaded into the truck tanker creating a high quality blend of E85. Upon completion of the blend skid, pump, piping and all electrical, the blend skid was programmed with the required three different blends of ethanol and calibrated to support those blends.

This project will provide BFE the ability to supply high quality blended E85 to our customers conveniently and efficiently. This allows our customers to show up with an empty truck and leave with the blended product instead of having to fill the truck with denaturant or unleaded gasoline off site and arrive at BFE and we then add ethanol to try and blend to the correct ratio. The installation of this blending skid could be applied to any ethanol plant or gasoline plant that has a customer that requires E85.