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July 24, 2019
[Sent Via Email]

Karlene Fine
Executive Director
North Dakota Industrial Commission

RE: Tesoro Refining & Marketing Company LLC Renewable Energy Contract

Dear Ms. Fine,

In conjunction with Contract No. R-033-042, section 2b (Annual Report), Marathon Petroleum Corporation kindly submits the following information in compliance with Section 5.11 of the North Dakota Industrial Commission – Renewable Energy Development Program Policies.

Summary of Project

Capability to co-process up to 5% of soybean oil, (16,800 gallons/day), with conventional crude diesel feedstock in the Andeavor Dickinson Refinery's existing Diesel Hydrotreater Unit.

The Project scope includes:

- Modification of an existing 1.26-million-gallon storage tank for storing soybean oil feed – this includes, tank internal cleaning, installing nitrogen blanketing to prevent soybean oil oxidation and installation of emergency pressure/vacuum relief.
- Modification of an existing crude oil truck unloading station for soybean oil service – this includes piping modifications and the electrical heat tracing and insulation of pipe and equipment.
- Installation of 1,100 feet of new 4" pipe, electrically heat traced and insulated, to route the soybean oil from the truck unloading station to the storage tank. And electrically heat trace and insulate 1,240 feet of existing 4" pipe to enable transfer of the soybean oil from tankage to the Diesel Hydrotreater Unit.
- Installation of a new control valve station and flow meter for soybean oil feed control to the existing Diesel Hydrotreater Unit
- Replacement of the reaction catalysts in the existing Diesel Hydrotreater Unit Reactors.

Summary of Operations

In March 2019, Dickinson refinery completed P40 winter diesel production and resumed production of summer diesel blend. The refinery co-processes summer diesel with up to 5% soybean oil and ND Bakken crude. We continue to be successful in receiving sufficient supply of renewable feedstock and marketing the conventional/renewable diesel blend in North Dakota.