overhead product, heavy naphtha, is cooled and pumped to storage. The jet and diesel are recovered from the column as side streams and pumped to storage. The fractionator bottoms product, resid, is cooled, and then sent to storage. This product is the heaviest fraction of the condensate.

In addition to the main process equipment described above, the condensate splitter requires certain support systems. An existing tank heater (EPN H-3) and a new tank heater (EPN H-4) will be used as needed to provide heat to storage tanks and dock lines. The tank heaters, which use oil as a heat transfer medium, are only anticipated to be needed during the cooler months. A flare (EPN FL-1) is provided for use in emergency overpressure situations to dispose of excess process vapors. The flare also controls routine process streams and vapors from specific MSS activities. The routine streams to the flare include pilot gas, purge gas, and intermittent flow associated with the unit's vapor control. This flare utilizes a continuous pilot to ensure that unexpected release events result in safe disposal. Fuel gas to the plant is supplied by natural gas pipeline. A new fire water pump (EPN FWP1), a backup firewater pump (EPN FWP2), and two new emergency backup generators (EPNs EMGEN1 and EMGEN2) are also included with this project. Two new diesel fuel tanks will store fuel for the emergency combustion units.

Existing Port of Corpus Christi docks and Magellan marine vapor combustor controls (EPNs VCU1 and VCU2) will be utilized to transfer products offsite. Three new loading dock lines will be added, and piping modifications will be made to the existing docks. LPG (propane/butane) product will be transferred under pressure to tank trucks at a new loading rack. Condensate off-loading will also occur at the loading rack. All of the products may be transferred to local refineries and terminals via pipelines.

This application also includes maintenance, startup, and shutdown (MSS) activities. A vapor combustion unit (EPN MSSVCU) will be installed at the facility to control vapors generated during certain MSS activities including storage tank roof landings, process vessel and piping maintenance, and pressurized tank maintenance activities. Vacuum trucks, vacuum boxes, and frac tanks may be used to collect and store liquids generated during MSS activities. Product samples will be collected and tested onsite using a bench scale lab. Leftover sample liquid will be stored in a tank.

Magellan is also planning a potential wastewater treatment system for the splitter process that may consist of a desalter, a CPI gravity plate separator, an Induced Gas Floatation (IGF) stage, and a nut shell filter. In addition one oil-water separator may be added to the facility. The CPI separator and