



Re: Written Product Specification

**A. FPC-3000R Tank Level Management System**

An automatic Microprocessor based fuel level management system shall be provided complete with duplex 5.4gpm fuel supply pumps and a single 5.4gpm fuel return pump. The system shall operate off a single 120vac power supply. Controller to be supplied by Wedlake Fabricating, Inc. of Tulsa, Oklahoma 918-428-1641, or approved equal and be equipped with a LCD status display screen, NEMA 4X Enclosure as well as the following features.

**A.1. Package features**

1. 120vac TEFC 1/2hp motors.
2. Three 5.4gpm positive displacement self-priming gear driven fuel pumps (2 supply & 1 return).
3. Fuel level capacitance sending unit.
4. Fuel pick up and return dip tubes.
5. Fill-Auto-Off selector switch.
6. Manual push to test button for each pump.

**A.2. Functions of the controller to include**

1. Day tank fuel level display.
2. Main tank fuel level display (requires optional sending unit in main tank).
3. Low day tank level alarm @ 30%.
4. High day tank level alarm @ 85%.
5. Return pump to start @ 90%.
6. Day tank rupture alarm.
7. Main tank rupture alarm (requires a leak sensor in main tank).
8. Pumps to alternate between cycles to minimize wear.