

Equipment Description:

The below is a list of equipment supplied by H2K Technologies Inc. for this project, more specific information on most of these items can be found in numbered sections of the manual.

DPE Equipment

- (1) DPE intake manifold, with 3" Main header and (8) 2" laterals, to include:
 - Sch. 80 PVC construction
 - (8) 2" PVC ball valves
 - (8) Vacuum gauges
 - (8) Sample ports

- (1) Moisture separator, **H2K** model VLS 100
 - Tangential inlet and demister for 99% + moisture removal
 - Carbon steel construction, industrial enamel finish
 - Full Vacuum design rating
 - 4" NPT inlet and outlet
 - 100 gallon total capacity
 - PVC site glass with ss High/high-high & low level switches and union for easy removal
 - Polypropylene demister element
 - Vacuum gage on separator inlet and outlet
 - Sample port on separator inlet and outlet
 - 1" Drain valve
 - 2" Air bleed valve with filter/silencer on separator
 - Vacuum relief valve on separator
 - 6" Cleanout port

- (1) Inline air filter, Solberg CT-235P-300 with replaceable polyester element
 - Differential pressure gauge across filter

- (1) XP Vacuum transmitter on blower intake – Dwyer Series 3100

- (1) Claw DPE Blower, Rietschle VLR400
 - 250 acfm at 17" Hg vacuum at blower inlet
 - Flexible couplings for vibration isolation on blower inlet and outlet
 - 10 HP, 460 VAC, 3Ø, XP motor
 - Vacuum gage on inlet
 - Discharge silencer
 - Temperature gage on blower discharge
 - Sample port on blower intake and discharge stack
 - Silencer on blower discharge
 - Air flow meter on blower discharge – Dwyer DS-300 pitot tube w/ differential pressure gauge
 - High pressure switch on discharge, Dwyer model 1950P-2

Water Treatment Equipment

- (1) Discharge pump, AMT model 490D end suction centrifugal pump

50 gpm @80' TDH
 Cast iron bronze fitted
 2 HP, 460VAC, 3Ø, TEFC motor
 Check valve, Throttle valve and pressure gage on pump discharge
 Sample port on pump discharge
 Pump re-circulation loop with ball valve

- (1) H2K model LLS-32 oil/water separator
 - 99%+ removal of 20 micron & larger droplets at 50 gpm w/ gasoline (0.85 SG)
 - 304 Stainless steel construction
 - PVC slant rib coalescing media
 - Adjustable skimming weir
 - Solids collection sump with valve
 - Gravity flowing drains floating product discharges
 - Vapor tight gasketed cover
 - PVC Sight glass with 3 point level switch (LSHH, LSH, LSL)

- (1) AMT model 489B end suction centrifugal pump
 - 50 gpm @ 40' TDH
 - Cast iron bronze fitted
 - 1.5 HP, 460VAC, 3Ø, TEFC motor
 - Check valve, Throttle valve and pressure pressure gage on pump discharge
 - Sample port on pump discharge

- (1) H2K model HDTA4 diffused aeration stripper, to include:
 - (4) 304 SST diffuser chambers
 - (5) 304 SST Diffusers per chamber (total of 20)
 - (1) Pump out clearwell
 - Site glass with ss high/high-high-low pump out level switches
 - Pressure gage on sump vapor space
 - (1) Blower, NYB model 2306 centrifugal blower
 - 600 cfm at 30" wc pressure,
 - 7.5 HP, 460 VAC, 3Ø, EXP motor
 - 6" Pitot tube with Magnehelic gage on blower outlet
 - Low blower pressure switch, Dwyer model 1950-5

- (1) Discharge pump, AMT model 490D end suction centrifugal pump
 - 50 gpm @ 80' TDH
 - Cast iron bronze fitted
 - 2 HP, 460VAC, 3Ø, TEFC motor
 - Check valve, Throttle valve and pressure pressure gage on pump discharge
 - Sample port on pump discharge

- (1) Water flow totalizer, 1 1/2" Zenner multi-jet on discharge

- (1) High-high level switch, for installation in customer-provided product tank on site