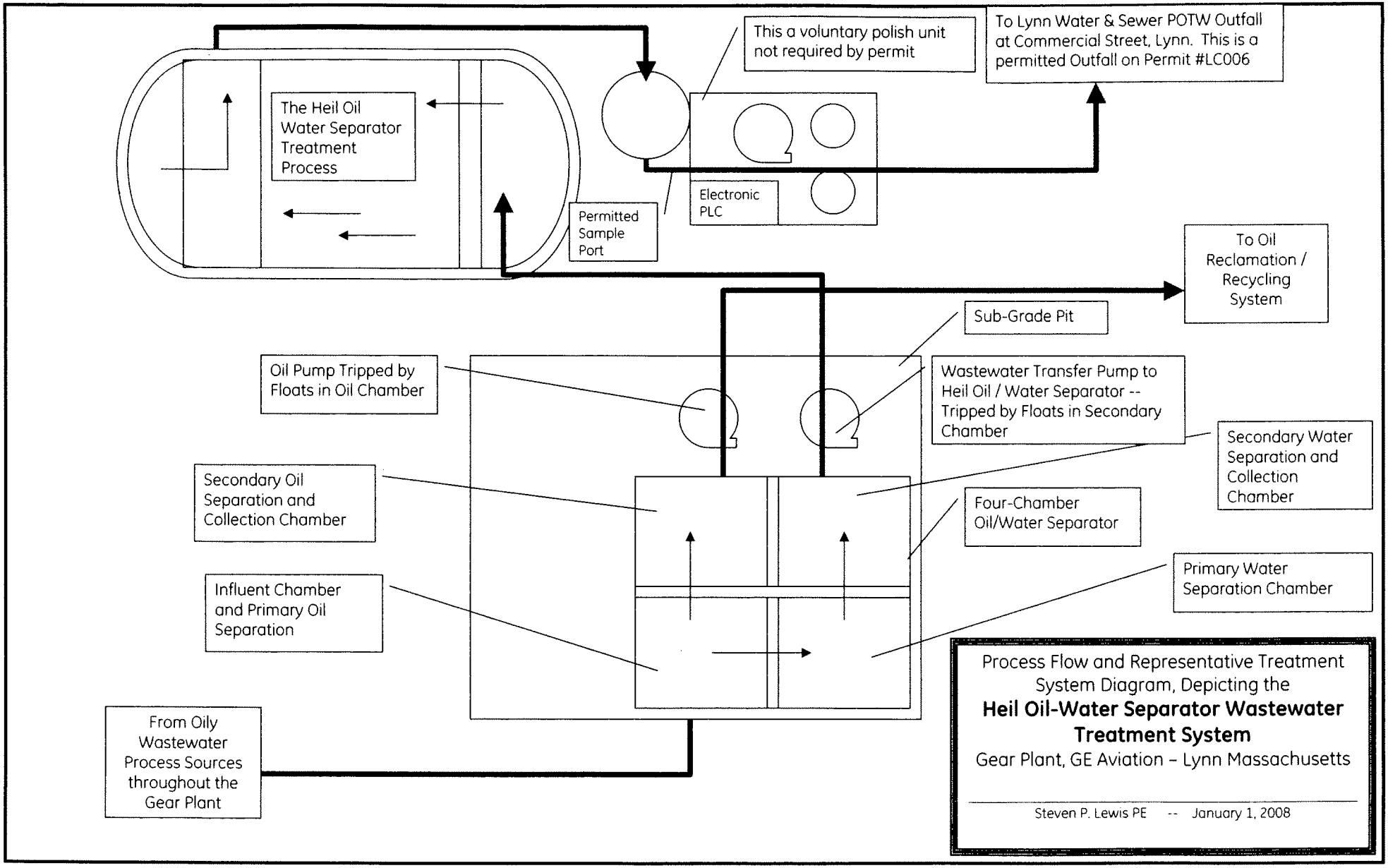
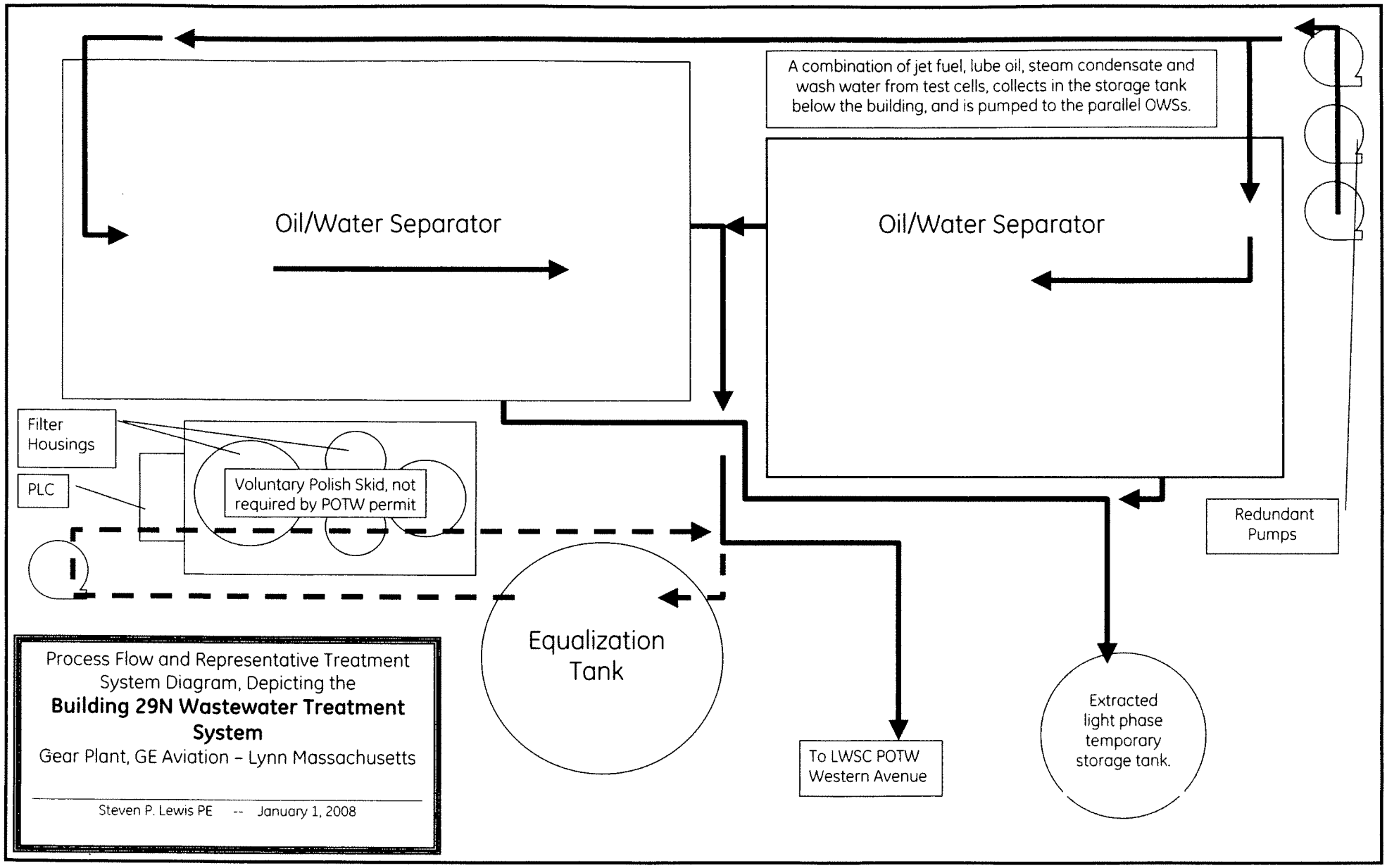
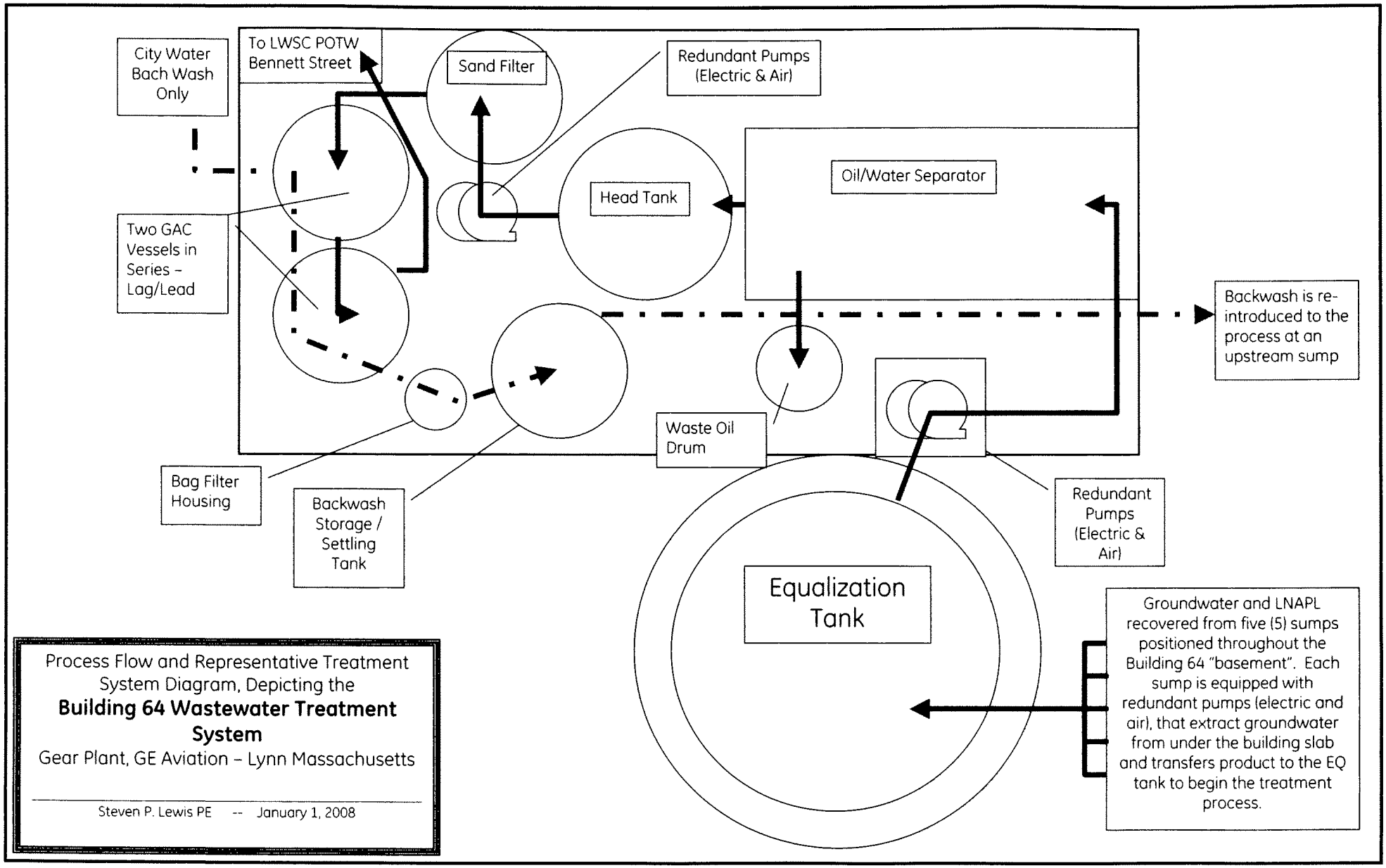
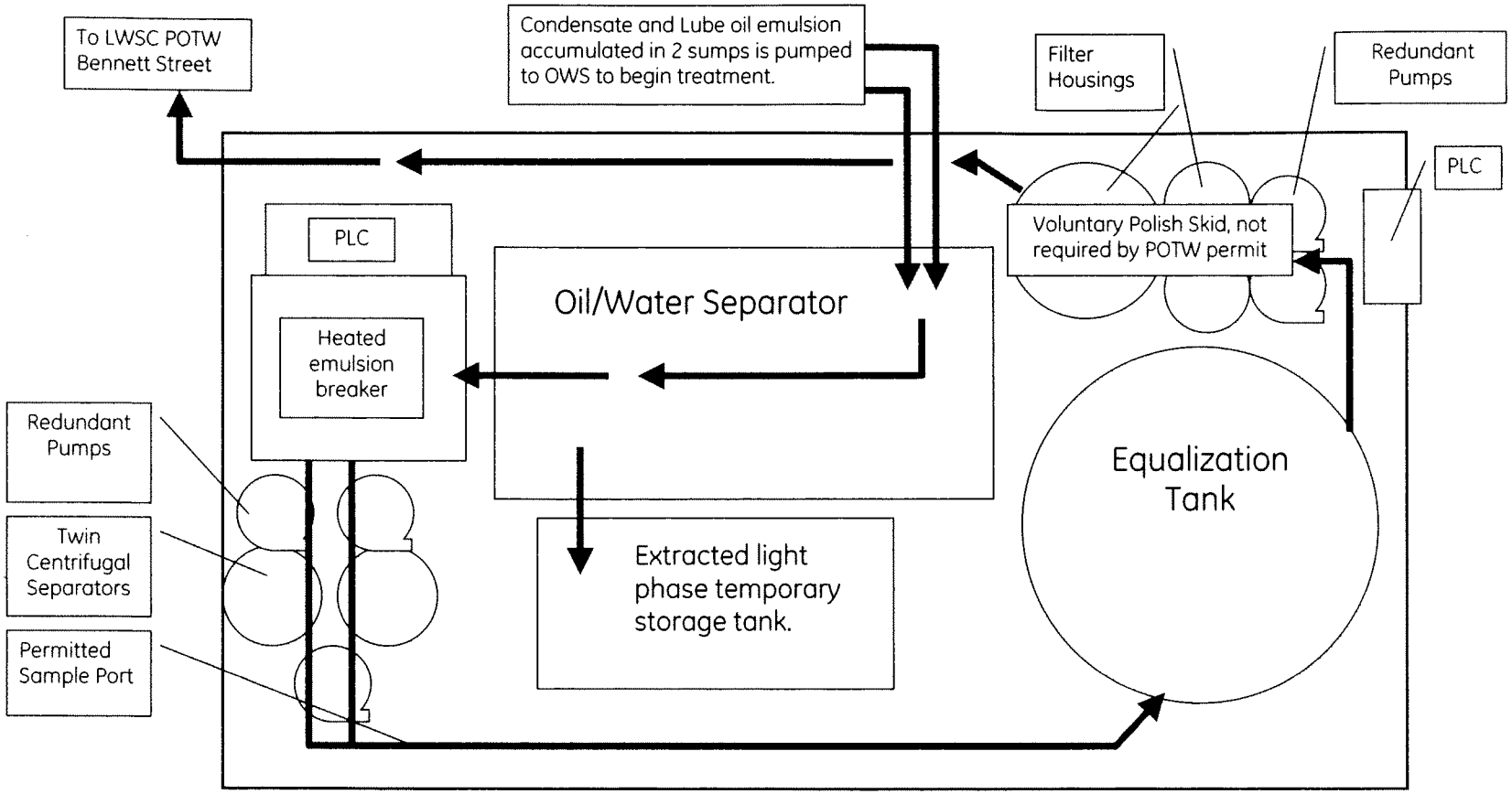

This a voluntary polish unit not required by permit
To Lynn Water & Sewer POTW Outfall at Commercial Street, Lynn. This is a permitted Outfall on Permit #LC006
The Heil Oil Water Separator Treatment Process
Electronic PLC
Permitted Sample Port
To Oil Reclamation / Recycling System
Sub-Grade Pit
Oil Pump Tripped by Floats in Oil Chamber
Wastewater Transfer Pump to Heil Oil / Water Separator -- Tripped by Floats in Secondary Chamber
Secondary Water Separation and Collection Chamber
Secondary Oil Separation and Collection Chamber
Four-Chamber Oil/Water Separator
Primary Water Separation Chamber
Influent Chamber and Primary Oil Separation
From Oily Wastewater Process Sources throughout the Gear Plant
Process Flow and Representative Treatment System Diagram, Depicting the
Heil Oil-Water Separator Wastewater Treatment System
Gear Plant, GE Aviation – Lynn Massachusetts
Steven P. Lewis PE -- January 1, 2008


A combination of jet fuel, lube oil, steam condensate and wash water from test cells, collects in the storage tank below the building, and is pumped to the parallel OWSs.
Oil/Water Separator
Oil/Water Separator
Filter Housings
PLC
Voluntary Polish Skid, not required by POTW permit
Redundant Pumps
Equalization Tank
To LWSC POTW Western Avenue
Extracted light phase temporary storage tank.
Process Flow and Representative Treatment System Diagram, Depicting the
Building 29N Wastewater Treatment System
Gear Plant, GE Aviation – Lynn Massachusetts
Steven P. Lewis PE -- January 1, 2008



Process Flow and Representative Treatment System Diagram, Depicting the
Building 64 Wastewater Treatment System
Gear Plant, GE Aviation – Lynn Massachusetts

Steven P. Lewis PE -- January 1, 2008



Process Flow and Representative Treatment System Diagram, Depicting the

Building 70 Wastewater Treatment System

Gear Plant, GE Aviation – Lynn Massachusetts

Steven P. Lewis PE -- January 1, 2008