Pressure System Owner Checklist

for New or Modified Systems

(Guidance)

Before Design

☐ Select applicable ASME code for design and fabrication (consult with PSO)
☐ Select qualified Pressure System Designer

During Design

☐ Establish system design conditions (e.g., temperature, pressure, flow, ambient effects, dynamic effects)
☐ Perform system design calculations in accordance with applicable ASME B31 piping code

Before Fabrication

☐ Designate qualified Examiner and establish Examiner witness and hold points
☐ Engage qualified Owner’s Inspector and establish Inspector witness and hold points
☐ Procure listed piping components in accordance with applicable ASME B31 piping code (or obtain variance using request)
☐ Procure pressure vessels in accordance with ASME B&PV Code, Section VIII (or obtain variance by request)

During Fabrication

☐ Utilize qualified personnel for performance of fabrication steps (e.g., qualified welders or compression fitting assemblers)
☐ Perform examinations and inspections as agreed with examiner and inspector

Before Operation

☐ Perform leak test in accordance with applicable ASME B31 piping code
  ☐ Ensure that instrumentation has been calibrated
  ☐ Ensure that Owner’s Inspector is present to witness test
  ☐ Contact PSO to review documentation package and obtain system certification

During Operation

☐ Ensure that personnel operating the system have received applicable institutional training in accordance with P101-34
☐ Establish periodic maintenance requirements in accordance with ESM Chapter 17