**PRESSURE STORAGE TANK CHECKLIST**

12VAC5-590-1080 and 1082

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| Project Name: |  | | |
| Reviewed By: |  | Date: |  |

|  |  |
| --- | --- |
| **General Information** | |
| Type of tank(s): Hydropneumatic  Pre-pressurized Diaphragm or Bladder | |
| Materials of construction: | |
| Complies with state and local laws/regulations for construction of unfired pressure vessels (applies to tanks ≥ 120 gal in volume) | Yes  No  N/A |
| Tank Dimensions (diameter, straight shell length for tanks ≥ 120 gal) | N/A |
| Nominal volume: | gallons |
| Effective volume (see ODW Permit Manual section 9.9.4): | gallons |
| **Location** |  |
| Located above normal ground surface? | Yes  No |
| Top above 100 year flood elevation? | Yes  No |
| Piping, pressure gauge, and other appurtenances inside building with climate controls to prevent & freezing? | Yes  No |
| Adequate access for inspection, removal and replacement? | Yes  No |
| **Appurtenances** |  |
| Bypass piping and valves to allow system operation during maintenance? | Yes  No |
| If the tank is used for 4-log virus contact time, are assurances in place to ensure that contact time is always maintained during operation?  Describe:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Yes  No  N/A |
| Access manway (Applicable to tanks ≥ 120 gal)? | Yes  No  N/A |
| Tank drain provided?  Erosion protection at discharge (recommended)?  Discharge to atmosphere and no cross connections? | Yes  No  Yes  No  N/A  Yes  No  N/A |
| Pressure gauge provided with adequate range? | Yes  No |
| Water sight glass (Applicable to tanks ≥ 120 gal)? | Yes  No  N/A |
| Automatic or manual air blowoff? (tanks ≥ 120 gal, non-bladder/diaphragm type)? | Yes  No  N/A |
| Pressure relief valve? | Yes  No |
| Vacuum relief valve (Applicable to tanks ≥ 120 gal)? | Yes  No  N/A |
| Means to add air? (hydropneumatic only)  Compressor uses food grade lubricant?  Compressor drain line screened? | Yes  No  N/A  Yes  No  N/A  Yes  No  N/A |
| Sample tap provided (Applicable to tanks ≥ 120 gal, recommended)? | Yes  No  N/A |
| Separate inlet/outlet and interior piping to promote turnover (recommended for large pressure tanks)? | Yes  No  N/A |
| **Controls** |  |
| Describe controls:  Adequate? | Yes  No  N/A |
| Pump cycle settings: low/cut in:       psi high/cut out:       psi  Adequate? | Yes  No  N/A |
| Pump cycle time:       seconds / minutes  Sufficient to prevent short-cycling / overheating of pump per manufacturer recommendations? | Yes  No  N/A |
| **Paints, Coatings, and other Interior Surfaces** |  |
| Do interior surfaces (bladder and diaphragm) or paints/coatings (hydropneumatic) meet NSF/ANSI 61, or an approved equivalent requirement (such as FDA), where applicable?  For large hydropneumatic tanks:  Metal surfaces are protected by paints/coatings?  Interior paints/coatings specified (describe): | Yes  No  N/A  Yes  No  N/A |
| **Cleaning and disinfection** | |
| Are adequate plans in place to ensure that the pressure tank will be disinfected? (recommend reference to AWWA C652 for large hydropneumatic tanks, or insurances that bladder/diaphragm tanks will be disinfected with disinfection of waterlines or the well) | Yes  No  N/A |