



Plumbing Plan Review Recap & Inspection Checklist For Health Care Facilities and Health Care Related Facilities

Section 1. GENERAL INFORMATION

A. Building or Project Name: _____

B. DIS or PL Application #: _____

C. Type of Project: *Check all that are applicable.*

New	Addition/Alteration to Health Care Facility ^a	Addition/Alteration to Health Care Related Facility ^b
-----	--	--

a. SPS 381.01(116)(116) "Health care facility" means a hospital, nursing home, community-based residential facility, or ambulatory surgery center.

b. SPS 381.01(117m)(117m) "Health care related facility" means an assisted living, residential care apartment complex, memory care, infirmary, inpatient mental health center, inpatient hospice, adult day care center, renal dialysis center, facility for the developmentally disabled, institute for mental disease, urgent care center, medical clinic or office, dental clinic or office, residential care center for children and youth, or school of medicine, surgery, or dentistry.

Section 2. HEALTH CARE

- A. Occupancy Type:** *Check all that are applicable.*
- | | |
|--------------|---|
| Hospital | Community Based Residential Facility (CBRF) |
| Nursing home | Ambulatory Surgery |

To include SPS 382.50 requirements including but not limited to:

- | | | | | | | |
|-----------|-----|----|---|-----------------------------|-----|----|
| B. | YES | NO | Building division required. | Building division included: | YES | NO |
| C. | YES | NO | Spouts and actions (5" air-gap, laminar flow). | | | |
| D. | YES | NO | Two water services (check valve manholes per NR 811.68 if interconnected). | | | |
| E. | YES | NO | Control valves for patient rooms. | | | |
| F. | YES | NO | Hot Water Distribution System Recirculation. (3 feet max. when using Thermal Disinfection.) | | | |
| G. | YES | NO | Maximum Water Temperature. | | | |

*Water provided to patient showers, therapeutic equipment and all types of baths shall be installed with **pressure balanced and thermostatically controlled** control valves which automatically regulate the temperature of the water supply to the fixture fitting outlet within a temperature range of 110F to 115F.*

- | | | | | | | |
|-----------|-----|----|--|-----|----|--|
| H. | YES | NO | A water distribution system may not be designed, installed, and maintained so that the maximum temperature to fixture fitting outlets accessible to patients exceeds 115F. (<i>minimum temperature of 110F or greater</i>) | | | |
| I. | YES | NO | Hot Water Disinfection (Per SPS 382.50(3)(b)6.) | | | |
| | | | <i>CPVC use when using hot water disinfection per SPS 384.30(4).</i> | | | |
| | | | <i>a. Derating of CPVC material by .50 by 140F per manufacturer or use of HP high temp CPVC.</i> | | | |
| | | | <i>b. Velocity reduced to 5f/s or less.</i> | | | |
| | | | <i>c. Sizing of hot water piping based velocity per SPS Appendix Graph A-382-40(7)-8 Derating Calculations required for plan review.</i> | | | |
| | | | <i>d. Thermal expansion requirements per manufacturer</i> | | | |
| | | | <i>e. (flow through expansion tank required per SPS 382.50(3)(b)14.)</i> | | | |
| J. | YES | NO | Product approval for injection type disinfection systems. | | | |
| K. | YES | NO | 140F minimum stored hot water for CBRF's per DHS 83. | | | |
| L. | YES | NO | Water distribution system may not be designed, installed, and maintained so that the maximum temperature to fixture fitting outlets exceeds 180F. (Failsafe) | | | |
| M. | YES | NO | Plan review of testable devices with the ASSE numbers 1020, 1013, 1047, or 1056 is required for all such devices in health care and related facilities. | | | |
| N. | YES | NO | Alternate approval for health care products being installed with project (health care appliance, re: sterilizers, scope washers, etc). Product approval included or meeting standard: | | | |
| | | | Product approval included or meeting standard: | YES | NO | |
| O. | YES | NO | Wastewater temperature control | | | |
| P. | YES | NO | CCC for sterilizers, autoclaves, dishwasher water supply, wastewater temperature control, etc. | | | |
| Q. | YES | NO | Facilities with a population exceeding 250 occupants shall have a water management plan. The management plan shall include all of the following: | | | |
| | | | <i>a. An emergency water contingency plan program on the loss or contamination of the water supply.</i> | | | |
| | | | <i>b. A pathogen control plan.</i> | | | |
| | | | <i>c. The emergency and routine disinfection procedures.</i> | | | |
| | | | <i>d. The identity of the individual responsible for the water quality.</i> | | | |
| | | | <i>e. The provisions for the periodic flushing of the water supply system.</i> | | | |
| | | | <i>f. Balancing valve report for the hot water distribution system.</i> | | | |

Section 3. HEALTH CARE RELATED FACILITY

A. Occupancy Type: *Check all that are applicable.*

Assisted living	Residential care apartment complex (RCAC)
Memory care	Infirmary
Inpatient mental health center	Inpatient hospice
Adult day care center	Renal dialysis center
Facility for the developmentally disabled	Institute for mental disease
Urgent care center	Medical clinic or office
Dental clinic or office	Residential care center for children and youth
School of medicine, surgery, or dentistry	

To include SPS 382.50 requirements including but not limited to:

- B.** YES NO Spouts and actions (5" air-gap).
- C.** YES NO Backflow protection to equipment (dental chair, etc.)
- D.** YES NO Adult day care center ONLY: maximum water temperature to fixture fitting outlets accessible to participants exceeds 115°F.

Section 4. DIALYSIS, PURE WATER

- A.** YES NO RPZ (optional) upstream of treatment equipment.
- B.** YES NO Independent water heater.
- C.** YES NO Thermostatic mixer.
- D.** YES NO Water softener.
- E.** YES NO Activated Carbon filter.
- F.** YES NO Deionized water tanks.
- G.** YES NO Multimedia filter.
- H.** YES NO Reverse osmosis unit.
Product approval included or meeting standard: YES NO
- I.** YES NO Equipment air-gaps.
- J.** YES NO Storage tank. Materials 384.
- K.** YES NO Storage tank vent.
- L.** YES NO Duplex pump (Loop re-pressurization pumps).
- M.** YES NO Activated carbon finishing filter.
Product approval included or meeting standard: YES NO
- N.** YES NO UV disinfection.
Product approval included or meeting standard: YES NO
- O.** YES NO RO loop material. Meets Table 384.30-11 or alternate product approval (Polypropylene).
- P.** YES NO Dialysis box with air-gap fitting. (2 air gap fittings if no central loop – RO & Machine.)
- Q.** YES NO Dialysis appliance product approval included.
Additional CCC needed: YES NO
- R.** YES NO Dialysis. Additional CCC at each Concentrate auto mixer, Bio Carb auto mixer and Renatron.
- S.** YES NO Stainless steel CCC material for RO/DI water.
- T.** YES NO Federal Registration remark.

Section 5. DECONTAMINATION TANK

A.	Location:	Interior	Exterior
B.	YES	NO	Setbacks to water sources.
C.	YES	NO	Proper independent vent.
D.	YES	NO	Equipped with an alarm.
E.	YES	NO	Sampling provision.
F.	YES	NO	Discharge pipe.
G.	YES	NO	Pump:
H.	1)	Terminate with a service port/quick disconnect:	YES NO
I.	2)	Terminate two (2) feet above grade:	YES NO
J.	3)	Proper signage:	YES NO
K.	4)	Discharge pie min 3" pressure 2":	YES NO
L.	5)	Activated with keyed switch:	YES NO

SPS 382.34(15)(e):

1. A discharge line serving a containment tank for servicing purposes shall comply with all of the following:

- a. A pipe serving as the discharge line shall be of an acceptable type in accordance with ch. SPS 384.
- b. A discharge line shall terminate with a service port consisting of a quick disconnect fitting with a removable plug.
- c. The service port of a discharge line shall terminate at least 2 feet above final grade.
- d. The service port of a discharge line shall be identified as such with a permanent sign with lettering at least 1/2 inch in height.
- e. The service port of a discharge line shall be secured to a permanent support that is capable of withstanding the loads and forces placed on the port.
- f. A discharge line shall be at least 3 inches in diameter.

Note: The requirements in s. SPS 382.34 (15) (e) 1. apply to all discharge lines whether gravity or pump discharge. See ch. SPS 382 Appendix for further information.

2. Where a lift station is employed for servicing a containment tank, the pump discharge line shall conform with subd. 1., except as provided in subd. 2. a. and b.

- a. A discharge line from the lift station shall be at least 2 inches in diameter.
- b. The lift station pump shall be activated by means of a keyed-switch at the service port.

