



December 29, 2008

HYDROWORX INTERNATIONAL INC.
ROBERT SCHOPFER
1420 STONERIDGE DR SUITE C
MIDDLETOWN PA 17057

Re: Description: POOL, ALTERNATE SYSTEMS
Manufacturer: HYDROWORX INTERNATIONAL INC.
Product Name: THERAPY POOL
Model Number(s): SERIES 120 DESIGN
Product File No: 20080477

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. Comm <<INSERT COMM CODE HERE>> based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of December 2013.

This alternate approval is contingent upon compliance with the following stipulation(s):

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90.11(4)(e)

Air-lock prevention. If a skimmer is connected directly to the recirculation pump suction pipe, the skimmer system shall include a device to prevent an air-lock in the suction line. If equalizer pipes are used, they shall pass an adequate amount of water to meet pump suction requirements in the event that the water in the pool drops below the weir level. The equalizer pipes shall be located at least one foot below the lowest overflow level of the skimmer. The equalizer suction fitting grate shall meet the current VGB requirements.

90.11(4)(c)

Flow-through rate. Skimmers shall be designed for a flow-through rate of at least 30 gallons per minute and shall develop sufficient water surface velocity through the skimmer mouth to cause floating material to flow into the skimmer system. The combined capacity of all skimmers in a pool shall be equal to or greater than the total required recirculation rate.

For all pools except reverse flow pools, 20 to 25% of the recirculated water shall be drawn through the main Drain

90.12(1)(b)

Disinfection of pool water. Feeders. Disinfectant feeders shall be approved by the department. Feeder pumps shall be electrically connected to the recirculating pump control circuit
All indicated piping shall be indicated on the plans including the discharge point.

90.06(2)(a)

The water distribution system serving the pool shall be protected against backflow, a minimum air-gap equal to 2 pipe diameters or by another method approved by the department.

90.11

(10)(c)Location. Wall inlets shall be located at least 12 inches below the design water surface. They shall be spaced not more than 15 feet apart, with one inlet within 5 feet of each corner of the pool.

Directional flow inlets shall be used with skimmer-type pools and shall be designed to cause a rotation of the water surface and to prevent areas of inadequate circulation within the pool. Water velocity through any inlet shall be in the range of 5 to 20 feet per second. In pools with skimmers, water velocity shall be in the range of 10 to 20 feet per second.

90.04(4)

Plans shall include detailed and scaled drawings indicating flow diagrams showing the location, plan view, elevation and complete isometrics of filters, pumps, chemical feeders, heater, backflow preventers, valves, all piping, flow meters, gauges, thermometers and sight glasses

90.04(4)9A)

Plans and specifications, including adequate supporting design data, shall be prepared by a Wisconsin registered architect or professional engineer and bear that person's seal and signature.

Comm 82.41, all portions of the water distribution system serving the pool and all auxiliary facilities shall be protected against backflow. Water introduced into the pool, either directly or to the recirculation system, shall be supplied through a minimum air-gap equal to 2 pipe diameters or 6 inches, whichever is less, or by another method approved by the department.

(b) The use of a toxic solution, such as but not limited to heat transfer fluid in a single-wall heat exchanger for pool water, is prohibited.

Inlet fittings shall be adjusted so that they produce a uniform flow rate to ensure that treated water is effectively distributed throughout the pool. Directional flow inlets shall be used with skimmer-type pools and shall be designed to cause a rotation of the water surface and to prevent areas of inadequate circulation within the pool. Water velocity through any inlet shall be in the range of 5 to 20 feet per second. In pools with skimmers, water velocity shall be in the range of 10 to 20 feet per sec

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

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