

City of Crystal Lake

Community Development Department

100 W. Woodstock Street
Crystal Lake, IL 60014
www.crystallake.org



Phone (815) 356-3605
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HOT TUBS AND SPAS

Please provide the following information when applying for a permit:

- [Building permit application](#)
Applications are available at City Hall or online at the City's website, www.crystallake.org
- Two copies of a current Plat of Survey showing all proposed work including easements, setbacks, and electrical service lines.
- Two sets of building plan representing all the electrical installations for the spa or hot tub. **Please include dimensions from all electrical devices to the spa or hot tub.**
- Contact J.U.L.I.E. for the location of the utilities.
 - Distance from electric lines to the edge of the pool must be indicated on the plat of survey.
- Manufacturer's specifications for all equipment.
- Homeowners association approval may be required.

Inspections

Please schedule all inspections by 4:00 P.M. the day before the inspection.

The following inspections are needed for a hot tub or spa:

- Rough electrical inspection
- Final inspection (after all work is completed and site is restored)

Please provide the following when requesting an inspection:

- Inspection type
- Address
- Date and time frame (am or pm)
- Permit number
- Name and telephone number of homeowner/contractor requesting inspection

General:

- Hot tub must have an approved safety cover meeting ASTM F 1346 standards. The cover must bear the correct markings for approval.
- Hot tub cover shall be provided with a vapor-retardant cover or other approved vapor-retardant means.
- Any glass located less than 60 inches horizontally from the water's edge and within 60 inches horizontally above the walking/standing surface of the hot tub or spa shall be safety glazing type and approved for hazardous locations.
- Hot tub and spa must be located in an approved location on the lot.

Note: See attached hot tub and spa location templates for additional information

Outdoor Hot Tub and Spa Installation Requirements

- Hot tubs and spas shall have GFCI protection.
- Listed packaged spa or hot tub equipment assemblies or self-contained spas or hot tubs utilizing a factory installed or assembled control panel or panel-board shall be permitted to use flexible connections.
- Liquid-tight flexible metal conduit or liquid tight flexible nonmetallic conduit shall be permitted in lengths of not more than 6 feet.
- Cord and Plug connections with a cord not longer than 15 feet shall be permitted where protected by a ground-fault circuit interrupter, listed by the manufacturer.
- The hot tub or spa must be a minimum distance of 10 feet, measured horizontally, from overhead utility wires or cables.
- Underground wiring shall not be permitted under the spa unless the wiring is necessary to supply the spa equipment permitted by the 2017 NEC.

Indoor Hot Tub and Spa Installations

- Receptacles that provide power for a spa or hot tub shall be GFCI protected.
- At least one 125-volt, 15- or 20-ampere receptacle on a general purpose branch circuit shall be located not less than 6 feet from, and not exceeding 10 feet from, the inside wall of the hot tub or spa.
- Receptacles shall be located at least 6 feet, measured horizontally from the inside walls of the hot tub or spa.
- Receptacles rated 125 volts and 30 amperes or less and located within 10 feet of the inside walls of a hot tub or spa shall be protected by a ground-fault circuit interrupter.
- Lighting fixtures and ceiling fans without GFCI protection shall be located over the hot tub or spa or within 5 feet from the inside walls of the hot tub or spa shall have a mounting height of no less than 12 feet above the maximum water level.
- Lighting fixtures and ceiling fans with GFCI protection located over the hot tub or spa or within 5 feet from the inside walls of the hot tub or spa shall have a mounting height of 7 feet 6 inches above the maximum water level.
- Wall switches shall be located at least 5 feet from the inside wall of the spa or hot tub.

Please note that the information provided in this handout is general in nature. If you have specific questions or need additional information, please contact a Community Development Department representative at (815) 356-3605 or building@crystallake.org.