

**City of Tuscaloosa**  
**Water & Sewer - Lakes Division**  
**Dock Electrical Inspection Check List**  
205-349-0279 or lakes@tuscaloosa.com



**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Tag #:** \_\_\_\_\_

**TYPE:** Stationary Floating Other: \_\_\_\_\_

**STRUCTURE:** Metal Wood Other: \_\_\_\_\_

**UTILIZATION EQUIPMENT:** Lights Receptacles Hoist  
Appliances Pump Other: \_\_\_\_\_

**SUPPLY:** 120V 120/240V

Y	N	Feeder or branch circuit to dock disconnecting means contains equipment grounding conductor	NEC 250.32(B)(1)
Y	N	Dock disconnecting means	COT, NEC 555.7
	Y	N Within 10' of ramp	COT, NEC 555.7
	Y	N Overcurrent device(s) ground fault protected $\leq 30$ mA	NEC 555.3
	Y	N $\geq 24"$ above normal pool (227")	COT
	Y	N Within sight and readily accessible	COT
	Y	N NEMA 3R or 4 rated	
	Y	N Pad lockable	COT, NEC 110.3
	Y	N Grounded conductor (neutral) is isolated from equipment grounding conductor	NEC 250.32(B)(1)

**GROUNDING:**

Y	N	Grounding Electrode System at service equipment	COT, NEC 250.32
Y	N	$\geq$ #6 AWG grounding electrode conductor	COT, NEC 250.32
Y	N	$\geq$ #12 insulated green equipment grounding conductor with all circuits	NEC 555.15(B)
Y	N	Metallic Ladder	
	Y	N Permanent	
		Y N Bonded	
	Y	N Portable	
		Y N Bondable	
Y	N	All non-current carrying metal components likely to become energized are bonded to ground with minimum #6 copper AWG green insulated copper conductor	COT, NEC 250.4(A)(4)
Y	N	Bonding jumper #6 AWG stranded or equivalent installed at pivot points of floating dock	COT
Y	N	All metal parts in contact with water are bonded to ground	COT
Y	N	Bonding connections are mechanically sound	NEC 250.8(A)
Y	N	All metal enclosures and metal parts of the electrical system are bonded	NEC 555.15(A)(1)
Y	N	Metal dock frame bonded to ground	COT

**WIRING:**

Y	N	In non-metallic conduit	COT
Y	N	≥ #12 AWG copper conductors	COT
Y	N	Conductors are listed for wet location	NEC 310.10(C )
Y	N	Suitable for wet location	NEC 555.13(A)(1)
Y	N	Flexible conduit at pivot points of floating docks	NEC 553.7(A)
Y	N	Receptacles UL listed weather resistant 'WR' type	NEC 406.9(A)(B)
Y	N	Switches and receptacles have damp or wet covers as appropriate	NEC 406.9 & 404.4
Y	N	All electrical connections 12" above deck and ≥ 24" above high pool (226') for fixed docks or 12" above deck and ≥ 30" above water for floating docks	NEC555.9
Y	N	Luminaires damp or wet labeled as appropriate for location	NEC 410.1(A)
Y	N	Electrical equipment securely supported by structure members	NEC 555.10(A)
Y	N	All electrical componenct > 6' from ladder	COT
Y	N	Grounded conductor (neutral) ≤ #6 identified with white insulation	NEC 200.6(A)
Y	N	All branch circuits class A (≤ 5mA) ground fault protected	COT
Y	N	Cords are not attached to building surfaces	NEC 400.8(4)
Y	N	Cords are not passing through walls, ceilings or floors	NEC 400.8(2)
Y	N	Extension cords are not in use in a permanent manner	NEC 400.8(1)

**SIGNAGE:**

Y	N	Warning sign posted and visable, "WARNING - Potential Shock Hazard - Electrical Currents May Be Present In The Water"	NEC 555.24
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**MISC:**

Y	N	Utilization equipment (pumps, appliances, etc.) are above the Electrical Datum Plane
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**VOLTAGE:**

Voltage Reading in Water Next to Dock with Power On: \_\_\_\_\_  
Voltage Reading in Water Next to Dock with Power Off: \_\_\_\_\_

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**CERTIFICATION:**

I certify under penalty of law, based on information and belief formed after reasonable inquiry, the statements and information contained in this document are true, accurate and complete:

Name (Print): \_\_\_\_\_ Signature: \_\_\_\_\_

License #: \_\_\_\_\_ Company: \_\_\_\_\_

**Approved**

**Denied**

**Notes:**