

## ***Dock Electrical Inspection Check List***

**Owner:** \_\_\_\_\_ **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 ≤ 30 mA                                 | NEC 555.3        |
|   | Y | N      ≥ 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 | ≥ #6 AWG grounding electrode conductor  | COT, NEC 250.32      |
| Y | N | ≥ #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 (227') 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 component > 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 visible, "WARNING - Potential Shock Hazard - Electrical Currents May Be Present In The Water" | NEC 555.24 |
|---|---|---|------------|

**MISC:**

|   |   |  |  |
|---|---|--|--|
| Y | N | Utilization equipment (pumps, appliances, etc.) are above the Electrical Datum Plane |  |
|---|---|--|--|

**VOLTAGE:**

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

**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:\_\_\_\_\_

**Notes:**

**\*PLEASE REMIT COMPLETED FORMS VIA EMAIL TO LAKES@TUSCALOOSA.COM OR DELIVER TO:  
 CITY OF TUSCALOOSA  
 LAKES DIVISION  
 3650 LAKE NICOL ROAD  
 TUSCALOOSA, AL 35406**