



CORROSION ELECTROLYSIS and SHOCK HAZARDS in the MARINA

Corrosion, Electrolysis, and Shock Hazards in the Marina

Malcolm Morgan from Johnson-Hicks Marine Electronics will present a four hour seminar, including classroom and hands-on training, covering the often misunderstood topics of electrolysis, corrosion, shock hazards, and the potential liability for Harbormasters, Marina Owners, and Managers.

The seminar will cover existing electrical codes and regulations requiring waterfront facilities to do annual electrical inspections, and how to perform these inspections and keep appropriate records. Attendees will participate in hands-on training of basic testing methods utilizing the appropriate tools needed to monitor electrical systems and check for hazardous conditions.

Malcolm will also discuss how electrolysis and resulting corrosion affect dock systems, vessel drives, and other components, and how to respond to boat owner complaints regarding zinc consumption, corrosion damage, and threats of litigation. The day's program will also review the proper use of shore power connections, electrical cords, and adaptors, and methods of mitigating associated shock and fire risks.

Handouts and reference materials will be provided for all attendees.

SPEAKER

Malcolm Morgan, Manager, Sausalito Division, Johnson Hicks Marine Electronics

Delta Seminar

Thursday, May 19, 2016 | 9:00 am – 2:00 pm
Rosa's at Tower Park Resort
14900 West Highway 12, Lodi, CA 95242
209.365.4693

San Diego Seminar

Tuesday, June 7, 2016 | 9:00 am – 2:00 pm
Island Palms Hotel & Marina
2051 Shelter Island Drive, San Diego, CA 92106
619.222.0561

Richmond Seminar

Tuesday, May 24, 2016 | 9:00 am – 2:00 pm
Marina Bay Yacht Harbor
1340 Marina Way South, Richmond, CA 94530
510.236.1013

San Pedro Seminar

Wednesday, June 8, 2016 | 9:00 am – 2:00 pm
California Yacht Marina - Cabrillo Marina
224 Whalers Walk, San Pedro, CA 90731
310.732.2252

REGISTRATION

| <i>Postmarked BEFORE or BY May 13, 2016</i> | <i>MRA Member Price</i> | <i>Non-Member Price</i> |
|---|-------------------------|-------------------------|
| First Attendee | \$119 | \$139 |
| Additional Attendees | \$94 | \$114 |
| <i>Postmarked AFTER May 13, 2016</i> | <i>MRA Member Price</i> | <i>Non-Member Price</i> |
| First Attendee | \$149 | \$169 |
| Additional Attendees | \$124 | \$144 |

