

Maryland Clean Marina

GUIDEBOOK

A product of the Maryland Clean Marina Initiative

Prepared by
Maryland Department of Natural Resources
Annapolis, Maryland

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The Maryland Department of Natural Resources developed and authored this guidebook and it is intended as an educational tool for marina operators and boaters. It does not constitute a complete reference to State, Federal, or local laws. Relying on the information in this book will not protect you legally. This book may not be relied upon to create a right or benefit substantive or procedural, enforceable at law or in equity by any person.

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Cover photographs taken by Robert De Young and Donna Morrow at Atlantic Marina Resort (rain barrel), Knapps Narrows Marina (shoreline), Port Annapolis Marina (vacuum sander and ground cover) and Bert Jabin Yacht Yard (flag).

Revisions to this Guidebook made in 2017 reflect changes to the General Permit for Discharges from Marinas 16-MA.

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Larry Hogan, Governor • Boyd Rutherford, Lt. Governor

Mark J. Belton, Secretary



A Message from the Governor

Boating is an integral part of our way of life here in Maryland. As an industry, it supports thousands of jobs and contributes \$2 billion to our state economy. Our administration is committed to providing and expanding opportunities for Marylanders and visitors to appreciate all that our beautiful waterways have to offer.

At the same, we remain passionately committed to preserving and protecting our environment and cherished natural resources. We have invested an unprecedented \$3 billion in Chesapeake Bay restoration and fully funded the Chesapeake and Atlantic Coastal Bays Trust Fund for the first time in state history. And the Bay has responded, recording the best overall health rating in a quarter century!

In June 2017, I was honored to be elected by my fellow regional leaders to chair the Chesapeake Executive Council to lead our regional efforts. As chair, I will continue to focus on achieving our watershed goals, address long-ignored challenges, and forge new partnerships on financing and innovation.

We remain committed to continuing our historic investments in the Chesapeake Bay, Maryland's most precious natural asset and a true national treasure. Through programs like the Maryland Clean Marina initiative, which promotes voluntary adoption of environmental standards, we will work toward our shared goals.

This collective effort, working in partnership with the Marine Trades Association of Maryland, improves the quality of Maryland's waters from Deep Creek Lake to the coastal bays, assuring they'll be enjoyed for generations to come.

On behalf of all Marylanders, thank you for your interest in supporting clean, responsible and safe boating!

Sincerely,

Larry Hogan

Governor



Foreword

The Maryland Department of Natural Resources is proud to offer this guidebook of practical recommendations to control pollutants associated with vessel operation, maintenance and storage. This information was developed with input from marina and boatyard operators along with other technical experts.

Enjoying our waterways in a variety of vessels is one of our state's oldest and most popular recreational pursuits. Our department works closely with our partners in the marine trades and the boating public to ensure our commitment to keeping our waters clean.

Maryland's Clean Marina Initiative, working in partnership with the Marine Trades Association of Maryland, promotes voluntary adoption of practices in this guidebook. With this information and program resources, marinas and boatyards can reduce pollution from their operations and understand applicable regulations. Those seeking the Clean Marina Award may request a certification visit from the department, who are joined by industry representatives.

This successful program continues to grow in popularity and success. Today we work with thousands of boaters and more than 500 marina owners to promote the Maryland Clean Marina Initiative.

I appreciate your interest in helping us promote sustainable practices to protect Maryland's vast network of waterways. Our department stands ready to help you achieve that goal.

Mark J. Belton

Secretary Maryland Department of Natural Resources

Acknowledgments

The Maryland Clean Marina Guidebook was written in 1997 by Elizabeth Fuller Valentine with the active participation of the Maryland Clean Marina Committee:

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The Committee members freely volunteered their time and effort to review and discuss the Guidebook. They are a truly knowledgeable and dedicated group.

Drafts of the Maryland Clean Marina Guidebook were also reviewed by many additional subject area experts. Reviewers included Jennifer Pereira, BoatU.S./ Clean Water Trust; Lee Ann Chandler, Critical Area Commission; Britt Slattery, U.S. Fish and Wildlife Service; Mary Ellen Setting, Maryland Department of Agriculture; and Cindy Tate, Anne Arundel County. The following people from the Maryland Department of the Environment commented on the Guidebook: Patsy Allen, Laura Armstrong, Rick Ayella, Bob Beasley, Brian Clevenger, Lori Del Pizzo, Andrew Der, Ed Gertler, Elder Ghigiarelli, Ed Hammerburg, Bec Hebler, Karen Irons, Lois McNamara, Nolan Penney, Ginny Sells, Greg Sonberg, and Ed Stone. Staff from the Maryland Department of Natural Resources also reviewed this document: David Burke, Ray Dintaman, Bob Ellsworth, Bob Gaudette, Barbara MacLeod, Frances McFaden, Donald O'Neill, Ren Serey, Kitty Riggan and Jody Roesler.

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Table of Contents

Introduction	1
How to Use this Guidebook	2
Siting Considerations For New and Expanding Marinas	5
Environmental Concerns	5
Legal Setting	5
Site Selection Guidelines	8
Information Sources	10
Marina Design and Maintenance	11
Environmental Concerns	11
Best Management Practices for Marina Facilities and Structures	11
Best Management Practices for Protecting Sensitive Areas	13
Best Management Practices for Creating Habitat Areas	16
Information Sources	16
Stormwater Management	17
Environmental Concerns	17
Legal Setting	17
Best Management Practices to Control Stormwater Runoff	18
Information Sources	25
Vessel Maintenance and Repair	27
Environmental Concerns	27
Legal Setting	27
Best Management Practices to Control Pollution from Vessel Maintenance and Repair Activities	28
Information Sources	34
Petroleum Control	35
Environmental Concerns	35
Legal Setting	35
Best Management Practices for Preventing Spills at the Source	36
Best Management Practices for Emergency Planning	41
Information Sources	44
Sewage Handling	45
Environmental Concerns	45
Legal Setting	45
Best Management Practices to Control Sewage	47
Information Sources	51
Waste Containment and Disposal	53
Environmental Concerns	53
Legal Setting	53
Best Management Practices to Properly Contain and Dispose of Waste	55
Information Sources	62
Pollution Report and Action Log	63

Marina Management	65
Staff Training	65
Inform Patrons and Independent Contractors	66
Public Relations	70
Business Practices	70
Information Sources	71
Laws and Regulations	73
Selected Federal Agencies and Their Jurisdictions	73
Selected State Agencies and Their Jurisdictions	74
Selected Federal Laws that Impact Marinas	75
Selected State Laws that Impact Marinas	80
Environmental Permits and Licenses	84
Information Sources	86
Bibliography	99
Clean Boating Tip Sheets	
Vessel Cleaning and Maintenance	
Selecting a Bottom Paint	
Underwater Hull Cleaning	
Petroleum Control	
Vessel Sewage	
Waste Containment and Disposal	
Appendices	
I Information Sources	A—1
II Local Critical Area Commission Contacts	A—5
III BayScapes Program	A—9
IV Recycling Coordinators, Oil/Antifreeze Haulers, and Light Bulb Disposal Sources	A—15
V Sample Contract Language	A—19
VI Spill Response Companies	A—21
VII Local Economic Development Contacts	A—23
VIII Spill Prevention, Control and Countermeasure Plan	A—27
IX Emergency Response Plans	A—39
X Waste Gasoline Haulers	A—41
XI Training Guide: Marina Pollution Prevention Policies	A—43
XII Stormwater Pollution Prevention Plan	A—45

Special Features

Tables

Table 1	Screening Tools for Stormwater Management Best Management Practice Feasibility	24
Table 2	Recommended Disposal Methods	59
Table 3	Summary of Environmental Permits and Licenses	89

Figures

Figure 1	Porous Pavement	20
Figure 2	Dry Extended Detention Pond	21
Figure 3	Pocket Wetland	22
Figure 4	Dry Well	22
Figure 5	Sand Filter	23
Figure 6	Oil Grit Separator	23

Boxes

Box 1	Bottom Paints	30
Box 2	Oil Absorbent Material	39
Box 3	Fuel Spill	43
Box 4	How Do You Know if a Substance is Hazardous?	58
Box 5	Contents of a Stormwater Pollution Prevention Plan	86

Acronyms

BMP	Best Management Practice
CFR	Code of Federal Regulations
COE	U.S. Army Corps of Engineers
COMAR	Code of Maryland Regulations
EPA	Environmental Protection Agency
DNR	Maryland Department of Natural Resources
CZARA	Coastal Zone Act Reauthorization Amendments of 1990
IDA	Intensely Developed Area
LDA	Limited Development Area
MDA	Maryland Department of Agriculture
MDE	Maryland Department of the Environment
MES	Maryland Environmental Service
MPPRCA	Marine Plastic Pollution Research and Control Act
MSD	Marine Sanitation Device
NDZ	No Discharge Zone
NOI	Notice of Intent
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
PWC	Personal Water Craft
QAC	Quarternary Ammonium Compounds
RCA	Resource Conservation Area
RCRA	Resource Conservation and Recovery Act
SAV	Submerged Aquatic Vegetation
TCLP	Toxicity Characteristic Leaching Procedure
UL	Underwriters' Laboratories
UST	Underground Storage Tank
USC	United States Code
USCG	United States Coast Guard
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey