

Maryland Clean Marina GUIDEBOOK

A product of the Maryland Clean Marina Initiative

Prepared by
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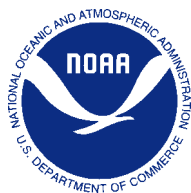
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Parris N. Glendening, Governor • Kathleen Kennedy Townsend, Lt. Governor
J. Charles Fox, Secretary • Karen M. White, Deputy Secretary



A Message from the Governor

Dear Friends:

A strong economy and a healthy environment are two of Maryland's most valuable assets. The Maryland Clean Marina Initiative, a public-private partnership coordinated by the Department of Natural Resources, fosters these objectives by disseminating information that will assist marina and boatyard operators in managing profitable businesses while protecting the quality of Maryland's waterways. This *Maryland Clean Marina Guidebook* contains practical, common sense tips for controlling pollutants associated with vessel operation, maintenance and storage, as well as a review of relevant environmental laws and regulations.

Through the Clean Marina Initiative, marina operators have an opportunity to be rewarded for their voluntary stewardship of clean water and fresh air. By working together, I am confident that the marine industry and the State of Maryland will be able to preserve the healthy, functioning ecosystems upon which our very livelihood depends.

Thank you for exploring this guide to pollution prevention practices for marinas, and for doing your part to help ensure that our environment is safe, clean, and preserved for future generations of Marylanders.

Sincerely,

A handwritten signature in black ink, reading "Parris N. Glendening". The signature is written in a cursive style with a long, sweeping tail on the final letter.

Parris N. Glendening
Governor



Foreword

The Coastal Zone Act Reauthorization Amendments (CZARA) of 1990 require all coastal states to develop Coastal Nonpoint Source Programs to address polluted runoff within the coastal zone. Nonpoint source pollution is the name for the disparate droppings of our society. It is the grease from our cars, fertilizers from our fields, and exhaust from our lawn mowers. It also includes stormwater runoff from boatyards, drips from fuel docks, discharges from marine heads, and fish waste from recreational anglers.

In response to CZARA, the State of Maryland submitted a report describing Maryland's various laws, regulations, and programs that address nonpoint source pollution. After reviewing the report, the United States Environmental Protection Agency (EPA) and the National Oceanic and Atmospheric Administration (NOAA) released their findings in October of 1997. They determined that Maryland needed to do more to control nonpoint source pollution associated with marinas and boating.

With the release of these findings, Maryland was faced with the possibility of having to impose additional regulations on marinas. Fortunately, NOAA and EPA approved the Maryland Clean Marina Initiative as an alternative approach. In order to satisfy the federal agencies, Maryland must certify 25 percent of the State's boating facilities as Clean Marinas or Clean Marina Partners by 2004.

Maryland marinas have been given an opportunity to avoid regulation by voluntarily adopting pollution prevention practices. I urge all marina operators to embrace the challenge: to work with the Maryland Clean Marina Initiative to protect clean water and fresh air.



J. Charles Fox
Secretary
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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, and Jody Roesler.

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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