

Compliance Date for Existing Sources: August 22, 2004

COMPLIANCE TIMELINE

December 20, 2001: Deadline for submitting an initial notification to EPA.



August 22, 2004: Begin collecting data needed to demonstrate compliance (e.g., HAP content and monthly material consumption data).



August 22, 2005: Determine compliance based on previous 12 months of data.



September 30, 2005: Deadline for submitting a notification of compliance status.



At the end of every month, determine compliance based on the previous 12 months of data.



March 1, 2006: Deadline for submitting first semi-annual compliance report for the 12-month period ending December 31, 2005.

FOR MORE INFORMATION

The final rule was published in the *Federal Register* on August 22, 2001. Copies of the rule and other material are at

www.epa.gov/ttn/atw/boat/boatpg.html

You can also contact your regional EPA office at the following number:

Region	Lead	Phone
I	Susan Lancey (CT, MA, ME, NH, RI, VT)	617-918-1656
II	Umesh Dholakia (NJ, NY, PR)	212-637-4023
III	Makeba Morris (DE, MD, PA, VA, WV District of Columbia)	215-814-2187
IV	Leonardo Ceron (FL, NC, SC, KY, TN, GA, AL, MS)	404-562-9129
V	Noel Vargas — (IL & IN) Tanya Boomer— (MI & WI) Nathan Frank — (MN, OH)	312-353-3575 312-353-4145 312-886-3850
VI	Toni J Allen (AR, LA, NM, OK, TX)	214-665-7271
VII	Richard Tripp (IA, KS, MO, NE)	913-551-7566
VIII	Tami Thomas-Burton (CO, MT, ND, SD, UT, WY)	303-312-6581
IX	Christine Vineyard (CA, AZ, HI, NV)	415-744-1197
X	Kai-Hon Shum (AK, ID, WA, OR)	206-553-2117



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www.epa.gov/ttn/atw/boat/boatpg.html

Office of Air Quality Planning & Standards (MD-12)

REGULATIONS CONTROLLING AIR EMISSIONS FROM THE BOAT MANUFACTURING INDUSTRY



Photo courtesy of Brunswick Boat Group

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP)

New EPA air emission standards may affect your fiberglass or aluminum boat manufacturing operation. This rule may affect the materials and methods that you use to build boats.

YOU ARE AFFECTED IF...

- ! You manufacture hulls or decks for recreational boats made from fiberglass or aluminum AND
- ! You are a major source of Hazardous Air Pollutants (HAPs). A major source emits 10 tons/year of one HAP or 25 tons/year of all HAPs combined.

WHAT OPERATIONS ARE COVERED?

- ✓ Resin and gel coat operations
- ✓ Aluminum coatings on hulls and decks
- ✓ Cleaning solvents
- ✓ Carpet and fabric adhesives

WHAT ARE THE BENEFITS?

- ! Reduced HAP emissions (predominately styrene, methyl methacrylate, methylene chloride, toluene, xylene and n-hexane) from 119 facilities by a total of approximately 3,130 tons annually.
- ! The long-term effects of these HAPs may include damage to the central nervous system with symptoms such as headache, fatigue, weakness, sleeping disturbances and reproductive effects. Short-term effects may include irritation of the skin, eyes and mucous membranes.
- ! All the control requirements are based on cost-effective pollution prevention techniques.

- ! Provides a cleaner and healthier work environment.

WHAT AM I REQUIRED TO DO?

For each operation, you must meet the organic HAP content limit specified below:

Operation	Organic HAP Content Limit
Production resin applied with spray equipment	28% by weight*
Production resin applied with non-spray equipment	35% by weight*
Pigmented production gel coat	33% by weight*
Clear production gel coat	48% by weight*
Tooling resin applied with spray equipment	30% by weight*
Tooling resin applied with non-spray equipment	39% by weight*
Tooling gel coat	40% by weight*
Resin and gel coat equipment cleaning solvents	5% by weight
Resins applied by closed molding	No limits apply
Aluminum boat surface coatings and wipedown solvents	1.55 kg HAP per liter coating solids from all combined coatings*
Carpet and fabric adhesives	5% by weight

*Compliance with these emission limits is determined on a weighted-average basis over a 12-month period.

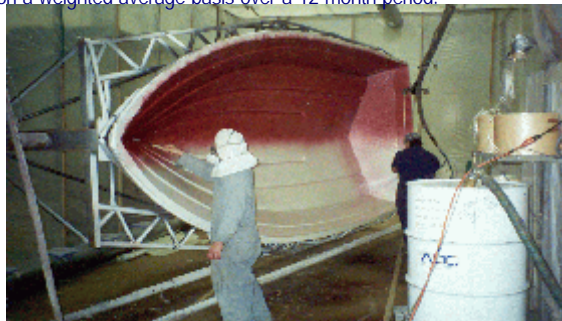


PHOTO COURTESY OF U.S. MARINE

HOW DO I DEMONSTRATE COMPLIANCE?

For fiberglass boat resin and gel coat operations, you may determine compliance using one or more of the following options:

- ! Purchase materials that meet the organic HAP content requirement.
- ! Meet the HAP content requirements for resin and gel coat operations on a weighted-average basis.
- ! Use emissions averaging among different resin and gel coat operations.
- ! Use an add-on control device.

For aluminum boat painting operations, demonstrate compliance by doing the following:

- ! Limit the organic HAP content of the paints and other coatings.
- ! Limit the organic HAP content of the wipedown solvents for surface preparation.
- ! Use paint spray gun cleaning

solvents that contain no more than 5 percent organic HAP or use the solvent in a way that captures the cleaning solvent and minimizes emissions.

For carpet and fabric adhesive operations, use materials that contain no more than 5 percent organic HAP.