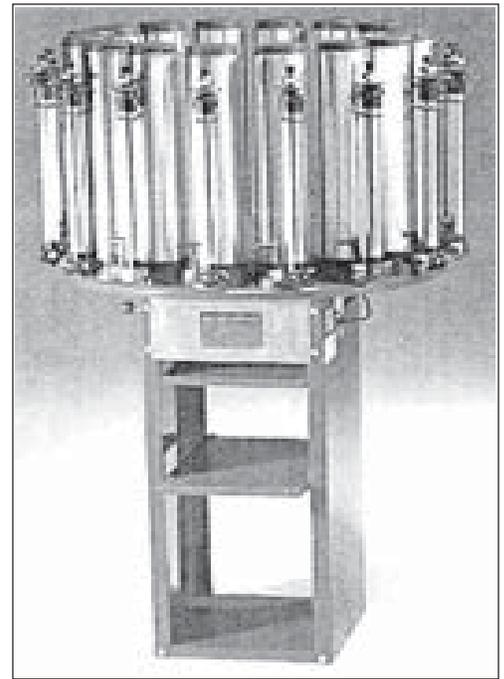




Do you manage a large inventory of different paint colors?

Would you like to improve this process in the following areas?

- **Meeting environmental compliance regulations** -- Reduce solid and hazardous waste disposal. Regulatory areas include RCRA.
- **Improving workers' safety and health** -- Reduce exposure to harmful paints and hazardous waste due to reduced paint handling.
- **Increase productivity** -- Minimize inventories and ensure just-in-time delivery of the precise amount of paint required.
- **Saving money** -- Reduce disposal of excess paint as hazardous waste, and reduce labor requirements for handling and storage of inventory.



Paint Tinting System

Many painting operations maintain a large variety of paints in their inventories to readily match colors when necessary. Storage of this reserve often takes up large amounts of space. Paint Tinting Systems reduce the volume of storage space needed, and the amount of paint purchased, through the efficient use of base paint mixed with lesser amounts of color shades. Through programmed color recipes, virtually all colors can be blended. Paints are mixed only when necessary and in amounts exactly suited for the project to be completed. This reduces the amount of unused paint disposed of as Hazardous Waste due to expired shelf life. Procurement costs are further streamlined as fewer paints are routinely purchased. The Paint Tinting System is being used successfully at several Navy installations such as NAS North Island. **This equipment is available through the Navy Pollution Prevention Equipment Program (PPEP).**

How can you achieve these improvements?

Implement a Paint Tinting System.

How does this equipment work?

Paints of various colors are fed from numerous containers and mechanically blended with a base paint according to programmed recipes.

How will this equipment save you money?

A Paint Tinting System reduces paint procurement costs, as well as waste disposal costs. The cost to implement ranges from \$10,000 to \$20,000, depending on the machine's capabilities. Payback period depends on the amount of paint your facility uses.

Typical Process Flow Diagram



How can this technology eliminate or reduce pollution?

This technology can reduce the amount of waste generated during painting operations. Implementation will result in the following pollution reductions:

- Reduction in paint waste discarded from partially used containers
- Reduction of hazardous waste disposal costs
- Reduction in procurement of new paint

Which shops can benefit most from this technology?

This technology can be used in processes that involve painting. Typical shops include:

- Shipboard painting
- Facilities painting

Take action: How can you implement this technology?

- **Activity Shop & Work Center Personnel.** Contact your Pollution Prevention Program Manager. The P2 Program Manager can provide more information and conduct a more detailed analysis, and may be able to provide this equipment at no cost to a Shop or Work Center.

- **Activity Pollution Prevention Manager.** Request this equipment through the Navy P2 Equipment Program (PPEP). Depending on the application, the Environmental Program Requirements Cookbook may contain project submission information for annual budget requests sent to your claimant.

- **For Additional Technical Information.** More information about this technology can be found on Joint Service P2 Opportunity Handbook Data Sheet Number 4-10 ([Web: http://p2library.nfesc.navy.mil/P2_Opportunity_Handbook/4_10.html](http://p2library.nfesc.navy.mil/P2_Opportunity_Handbook/4_10.html)) or at the PPEP Book web site (<http://www.lakehurst.navy.mil/p2/listing.htm>).

Achieving Environmental Compliance Through Pollution Prevention

Every day the Navy faces the challenge of operating and maintaining the fleet while complying with environmental regulations. This burden can be reduced by implementing pollution prevention technologies and methods to reduce compliance requirements. This Fact Sheet is one in a series designed to encourage activities to implement pollution prevention technologies and methods. The overall goal of this series is to promote sustained environmental compliance at the lowest life-cycle cost.

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