

Pollution Prevention Afloat: Paint Dispensing System

Technology Description

- Navy-developed 25-gallon paint dispensing system designed to minimize spilled paint and recapture & mix unused paint
 - Dispenses only paint quantities needed
 - Avoids messy manual pouring of paint from 5-gallon cans into smaller containers
 - Encourages & simplifies return & redispensing of unused paint
 - Pneumatic pump mixes & dispenses paint



BEFORE: Typical shipboard paint locker reflects dispensing, storage, & cleanup problems

AFTER: Prototype paint dispensers being evaluated on USS ARCTIC (AOE-8) control paint quantities issued & significantly reduce cleanup requirements

Benefits

- ☆ Help comply with wide range of laws, regulations, Executive Orders, & Navy policies establishing HM reduction & pollution-prevention goals & requirements
- ☆ Reduce spilled paint, cleanup rags, & new paint purchases
- ☆ Improve safety, health, & quality of life of crew
- ☆ Favorable return on investment (per ship)
 - \$214K savings over 10 yrs
 - 15-month break-even point
 - 76% labor reduction

RDT&E Status

- Successful evaluations on combatant, amphibious, aircraft carrier, & supply ships
- Technology opportunity for existing & future ships