



Navy Environmental Quality Fact Sheet



Do you want to improve solid waste management practices?

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

- **Meet environmental compliance regulations.** Reduce solid waste disposal and increase solid waste diversion from landfills and incinerators. Media area is solid waste.
- **Improve workers' safety and health.** No change to current operations.
- **Increase productivity.** Reduce the time required to manage solid waste compliance requirements.
- **Save money.** Decrease solid waste management costs.



Solid Waste Landfill

Operations at Navy installations result in the generation of nearly 600,000 tons of SW annually; this SW is landfilled or incinerated at a cost of over \$50 million. Traditionally, when writing contracts for base services, very little consideration is given toward solid waste diversion opportunities and improving collection efficiency. Landscaping contracts can be written to require the landscaper to compost all green waste from landscaping operations at the nearest composting facility, thus increasing green waste diversion. Also, the landscaping contract can require the landscaper to use a mulching lawnmower to prevent disposal of grass clippings. The janitorial contract can be written to require the janitors to collect white paper and soda cans on certain days from white paper and soda can bins to increase white paper and can recycling. NAVFAC Guide Specification (NFGS) 01572 requires construction and demolition (C&D) contractors to submit a construction waste management plan to determine the types and quantities of saleable and salvageable construction waste. The solid waste collection contract can require the collection contractor to use compacting dumpsters that alert the collector when the dumpster is full, thereby maximizing the quantity of material for each dump in areas with heavy traffic and congestion.

How can you achieve these improvements?

Consider solid waste diversion opportunities and improving collection efficiency when writing base service contracts.

How does this practice work?

Review existing contracts and determine where there are opportunities to increase solid waste diversion and improve collection efficiency.

How will this practice save you money?

Solid waste diversion will result in landfill cost avoidance as well as revenue from the sales from recyclable materials. Improving collection efficiency results in lower collection costs.

Typical Process Flow Diagram



How can this practice eliminate or reduce pollution?

Implementation of improved base service contracts for solid waste management will result in the following pollution reductions:

- Reduces the quantity of solid waste disposed of in landfills and incinerators.
- Reduces emissions from solid waste collection vehicles.

Which shops can benefit most from this practice?

Improved solid waste management methods can be written into all base service contracts. Typical operations impacted include:

- Building construction and demolition operations
- Landscaping operations
- Solid waste segregation and collection operations

How can this practice reduce regulatory compliance concerns?

Use of improved base service contracts for solid waste management will result in the following regulatory compliance benefits:

- May help facilities meet local solid waste reduction goals.
- May reduce emissions from collection vehicles and help installations meet local air emission reduction goals.

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 using pollution prevention technologies and methods to reduce compliance requirements. This fact sheet is one in a series designed to encourage activities to use pollution prevention technologies and methods. The overall goal of this series is to promote sustained environmental compliance at the lowest life-cycle cost.

For additional information, contact:

Naval Facilities Engineering Command Guide Specification (NFGS)-01572, 30 June 1997, which is generally available from your Public Works Center, Engineering Design Department

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