



Navy Environmental Quality Fact Sheet



Do you generate waste gasoline, diesel fuel or hydraulic fluids?

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

- **Meeting environmental compliance regulations** -- Reduce used fuel and oil waste disposed of as hazardous waste. Reduce storage, transportation and handling requirements for waste fuels and oils.
- **Improving workers' safety and health** -- Reduce handling and exposure to potentially hazardous fuels and oils.
- **Increasing productivity** -- Waste is minimized through reuse of fuel and oil products.
- **Saving money** -- Reduce waste management and disposal costs. Reduce procurement costs for new fuel and oil products.



Waste fuel recycler

*Navy activities generate large quantities of waste oil and fuels, including gasoline, diesel fuel, hydraulic and crankcase oil. Used oil or fuels may require disposal or off-site recycling. A waste fuel recycler may be used on-site to remove contaminants and permit reuse of the waste products. The fuel recycler also blends waste oil with diesel fuel to create high-quality diesel fuel while eliminating used oil disposal costs and providing recycling revenues. The recycled fluids may also be reused in specific types of non-critical support equipment. Waste Fuel Recycling systems have been used successfully at several Navy installations. **This equipment is available through the Navy Pollution Prevention Equipment Program.***

How can you achieve these improvements?

Implement a Waste Fuel Recycling System.

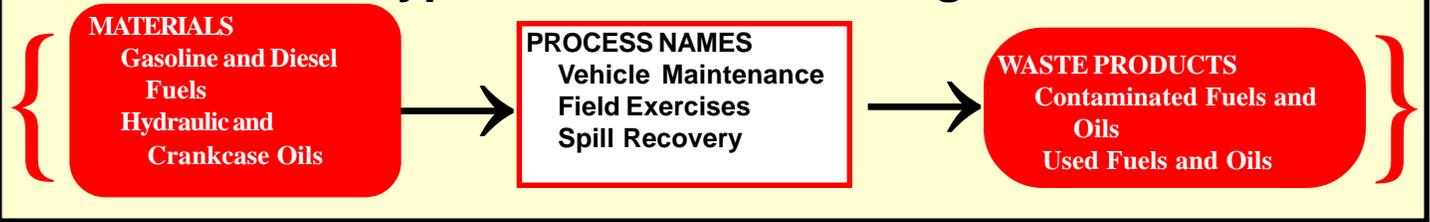
How does this equipment work?

This technology removes dirt and other contaminants from used oil and fuels.

How will this equipment save you money?

Waste fuel recyclers reduce waste management and disposal costs, as well as new material procurement costs. The cost to implement is approximately \$3,000. The equipment pays for itself in less than one year.

Typical Process Flow Diagram



How can this technology eliminate or reduce pollution?

This technology can eliminate the need for disposal of used fuel and oil products. Implementation will result in the following pollution reductions:

- Reduction in Fuel and Oil Waste and Associated Disposal Costs
- Reduction in Fuel and Oil Procurement Costs

Which shops can benefit most from this technology?

This technology can be used in any process that involves the generation of waste gasoline, diesel fuel, hydraulic or other oil products. Typical shops include:

- Vehicle Maintenance and Repair
- Aircraft Operations and Maintenance
- Shipboard Operations and Maintenance
- Fuel and Oil Spill Recovery

Take action: How can you implement this technology?

- **Activity Shop & Work Center Personnel.** If you work at an activity, 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 funding and installation assistance for this technology through the Navy P2 Equipment Program. Depending on the application, the Environmental Requirements Cookbook may contain project submission information for the annual budget submissions to your major claimant.

- **For Additional Technical Information.** More information about this technology can be found in the Joint Service P2 Opportunity Handbook Datasheet Number 6-9 ([Web: http://www.nfesc.navy.mil/](http://www.nfesc.navy.mil/)).

Achieving Environmental Compliance Through Pollution Prevention

Everyday 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.

For additional information, contact:

Program POC: Mr. Eugene Wang, ESC 423

(805) 982-4291, DSN: 551-4291

E-mail: ewang@nfesc.navy.mil

Technical POC: Mr. Brian Swaidan, ESC 423

(805) 982-1337, DSN: 551-1337

