

Pollution Prevention Measures for Oilfield Industries

Reasons to implement waste reduction programs
Reduce operation costs
Reduce waste disposal costs
Reduce long-term liability
Help sustain environmental quality
Improve workplace safety and employee health
Project a positive public image

These are measures that may help you reach these benefits	
Opportunities	Comments
Cleaning of Parts	Catch excess cleaning fluid and reuse whenever possible. Ensure that wastewater from cleaning process goes through proper treatment. Ensure that storm water does not enter the cleaning area. Use environmentally safe cleaners when possible. Wipe down and/or scrape off equipment before washing. Have unusable cleaners properly disposed of as soon as possible.
Cleaning of Equipment	Make sure that storm water does not enter wash area. Use environmentally safe cleaners. Ensure that wastewater goes through proper treatment. Monitor and secure wash area to ensure that there are no illegal discharges.
Painting of Parts	Use water base materials when possible. Perform painting in enclosed booths. Use electrostatic spray systems, air assisted airless spray guns, reduced air pressure in the coating system, or brushes to apply coatings. Small amounts of unused paint can be added to primers to minimize waste.
Manufacturing of Parts	Use catch pans for cutting oil so that it can be reused or recycled. Use environmentally safe cutting oil if possible. Have all metal chips and scrap metal recycled.
Material Storage and Handling	Use inventory control so that material does not exceed shelf life and it is used on a first-in first-out basis. Control storage conditions so that they are not subject to heavy traffic. Segregate stored materials to prevent cross-

	contamination and reactions in case of a spill. Keep material in a covered and contained area also provide space between drums and tanks to allow for easy inspection. Minimize all obsolete materials. Contract with a reputable dealer to get rid of waste.
Information Transfer	Increase dissemination of information regarding proper waste management and waste reduction to generators.

Training of Personnel
Train personnel in pollution prevention and waste management practices.
Train personnel to consistently follow proper operations and maintenance practices.
Retrain personnel periodically.
Provide operating instructions that are readily available.

Housekeeping
Keep storage and work areas clean and all containers properly labeled.
Keep accurate records of material usage.
Have all containers covered to prevent evaporation and spillage.
Try to find multipurpose chemicals.
Keep spill cleanup kits available.
Emphasize dry cleanup to reduce amount of wastewater discharge.

Waste Reduction

A Profitable Work Ethic