



California Pollution Prevention Partnership (CAP3) News

This is the first newsletter reflecting the new partnership between the State of California Environmental Protection Agency and Department of Defense installations. This new partnership targets pollution prevention issues. The charter, which was signed in November 2002, provides a new formal way for everyone to discuss their issues and solutions. This first issue of the California Pollution Prevention Partnership (CAP3) provides some success stories from across the state.

The partnership **vision** is to excel in joint innovative pollution prevention practices within the Department of Defense and the State of California that will enhance environmental quality, sustainability, and mission readiness.

The **mission** is to promote and implement P2 as the preferred strategy for protecting the environment, conserving resources, fostering community well-being, and enhancing mission readiness at DOD installations in California.

The **goals** are to:

- Promote an exchange of expertise including technology.
- Support operational flexibility to achieve compliance through P2.
- Identify opportunities, develop/evaluate solutions and promote successes.
- Build trust and improve communications.
- Seek resources to implement P2 technologies.
- Evaluate innovative P2 alternatives in conjunction with current regulatory management practices.
- Foster P2 as best management practices.

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Fort Irwin wins nationwide recognition--continued from Page 2.

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As an award winner, Fort Irwin stands out as a leading example of the investment the Army makes in environmental stewardship on the 16.7 million acres of land it manages while it trains and prepares America's soldiers to fight the global war on terrorism. The readiness of our soldiers depends upon the Army's ability to use its training and testing grounds to the fullest. Meeting and exceeding local, state, and federal regulations ensures that restrictions on these grounds are minimal.

Fort Irwin is one of eight 2002 Secretary of the Army Environmental Award winners. Each year, Army environmental professionals from around the world compete for recognition in the categories of pollution prevention, natural resources conservation, cultural resources management, environmental quality and environmental restoration.

A special awards ceremony was held in March to honor Fort Irwin and the other Army winners during the Garrison Commanders' Conference on March 18 at the Marriott City Center in Charlotte, N.C. The winners then go on to participate in the Department of Defense's Environmental Awards competition.

For more information on the recipients of the 2002 Secretary of the Army Environmental Awards, please visit USAEC's Web site at <http://aec.army.mil/>. Click on the "News Room" to locate press information.

**U.S. Army Reserve Success Stories
63D Regional Support Command**

Waste Reduction Success Story. Our new oil water separator management and cleaning program contract will result in the 63D Regional Support Command's largest single item waste stream reduction ever!

Our new contract with **Enviremedial Services** will allow all of our facilities to get back to small quantity generator status ~~without getting on-site treatment permits~~. No treatment permit is required per HSC 25201.5c, *Conditionally Exempt Specified Waste Streams*. Our contractor is set to take delivery of a new mobile unit. They are preparing a schedule that will cover all our facilities twice a year, with notification to facilities, well in advance of oil water separator maintenance and cleaning site visits. Their patented recycling system combines filtration, gravity separation, and water extraction processes. The results are impressive: 100-300 lbs of oily sludge, in drums, ready for disposal. Additionally, the process results in only 200-600 gallons of water with less than 5 ppm hydrocarbons and 30 ppm suspended solids recycled back into the oil/water separator system. This is an improvement over the 10,000-18,000 lbs of oily waste requiring disposal resulting from our previous method. We estimate annual cost avoidance of about \$110,000 in hazardous waste disposal costs, after factoring in cost of new contract, and a waste stream reduction of about 400,000 lbs a year.

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The previous method used for oil/water separator and wash rack clean up was to submit "DD-1348" disposal documents to our servicing Defense Reutilization and Marketing Office (DRMO), wait for a schedule to be published by their disposal contractor, notify facility personnel of the appointed time, and pump/clean about 100-200 lbs of sludge as well as roughly 10,000-18,000 lbs of oily water. The result was a clean oil/water separator-wash rack drain system that has to be filled with about 200-600 gallons of clean water or 50% capacity, and 10,000-18,000 lbs of non-RCRA hazardous waste to dispose of, per facility twice a year. All of this was at our expense and effectively moving just about all of our facilities from small quantity to large quantity generator status.

Shop towel recycling. Another waste reduction success story results from recycling our shop towels, via Prudential Overall Supply. We have reduced our rag disposal costs almost to zero and have significantly reduced the waste stream. On schedule, Prudential exchanges all used shop towels and washes and reuses them. We estimate an annual cost avoidance of about \$9,000 in hazardous waste disposal costs, after factoring in the cost of contract, and a waste stream reduction of about 20,500 lbs annually.

Our previous process involved the purchasing of rags by the 60-pound bale, via the Federal Supply System. We ordered 5-50 bales a year at a cost of about \$20 per bale.

They were used once and controlled as a non-RCRA hazardous waste. The result: disposal costs were 35¢-\$1.45 per pound depending on what they had been used for, and a total cost for purchasing and disposal of about \$17,000 for 22,000 lbs of rags. This process also included preparing a "DD-1348" to DRMO and waiting for DRMO to pick-up and dispose of the used rags.

Closed Loop Oil Recycling Program. Our inclusion on the Defense Logistics Agency's (DLA) Closed Loop Oil Recycling Program has been well received by our facility personnel and has resulted in significant savings both in disposal costs of used oil as well as waste stream reduction. Closed loop recycling is for used oil only, not contaminated waste oil.

The closed loop process begins by ordering recycled Safety Kleen brand motor oil by the quart, gallon, or 55 gallon drum from a list of Federal Stock Numbers included in DLA's Closed Loop Oil Recycling Program brochure. Once a "hit" is made within the procurement system (about 5-7 days) "Safety Kleen" is electronically notified of the purchase. Facilities making their initial purchase then call "Safety Kleen" at 1-800-525-5739 to set up pick time with a local office. Within three days they will pick-up as much as 120% of what you ordered without any additional charge over and above initial purchase cost and facility personnel make their own pick-up schedule arrangements.

Our "old" method of oil procurement/disposal resulted in purchase costs of about \$175-\$200 per barrel and disposal costs of about 25¢ a pound.

There is no difference in initial purchase cost. However, we save about \$10,500 in disposal cost and reduced another waste stream by about 35,000 lbs annually. Remember, California hazardous waste regulations make exceptions for used oil that's recycled and therefore not counted as a waste stream.