

# NAS NORTH ISLAND - NAVY REGION SOUTHWEST NAVY ENVIRONMENTAL LEADERSHIP PROGRAM

## POLLUTION PREVENTION

### COATING OPERATIONS

#### LEAD ACTIVITY

Naval Air Station North Island - (NAS North Island) - NADEP

#### STATUS

Active

#### MISSION

To reduce the amount of thinners and solvents used during coating operations and the subsequent generation of hazardous waste.

#### REQUIREMENT

Hazardous Waste Source Reduction Planning – California SB 14 (Roberti, 1989). The Hazardous Waste Source Reduction and Management Review Act of 1989, also known as Senate Bill 14, requires hazardous waste generators to seriously consider source reduction as the preferred method of managing hazardous waste. Source reduction is preferable over recycling and treatment options because source reduction avoids waste generation costs and management liability. Source reduction also provides the very best protection for public health and the environment. If you annually generate more than 12,000 kilograms of hazardous waste or 12 kilograms of extremely hazardous waste, you are required to do source reduction planning.

#### DESCRIPTION

NADEP North Island Aviation Intermediate Maintenance Depot (AIMD) was the selected site for this project. The primary purpose of this project was to identify methods and techniques that can be implemented that reduce the amount of thinners and solvents needed during a standard coating operation. In addition, specific spray application techniques will also be identified that enhance material conservation. The following are the key areas that are included in the project:



- Cleaning the Fluid Hose from a Pressure Pot
- Cleaning out the Pressure Pot
- Cleaning of the Spray Gun from a Pressure Pot.

- Cleaning The Cup Gun
- Transfer Efficiency

**BENEFITS**

- The reduction and/or consumption of thinners and solvents used during a standard coating operation.
- The reduction of waste generated during a coating operation.
- Paint conservation by using less paint for the coating operation.
- Reduction of air pollutants during the coating operation.



**ACCOMPLISHMENTS/CURRENT STATUS**

Date	Activity
DEC 2001	Commenced Pilot Project
DEC 2001	Completed Development of Training Video

**FUTURE PLAN OF ACTION & MILESTONES**

Date	Activity
MAR 2002	Pilot Project Complete
APR 2002	Pilot Project Report Submitted
MAY 2002	Technology exported to various commands

**COLLABORATION/TECHNOLOGY TRANSFER**

This project was the result of a collaborative effort between Tom Sapien of Naval Air Depot at NAS North Island, Ron Joseph of Ron Joseph & Associates, and Steven Sullivan of Sullivan Consulting Group.

**BIBLIOGRAPHY**

Not Applicable

**RELATED GOVERNMENT INTERNET SITES**

None Applicable

**RELATED NAVY GUIDEBOOK REQUIREMENTS**

None Applicable

*UPDATED: 01/23/02*