



Project Summary

Solvent Chemical Inventory of the Newark AFB Building 4 Facility

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A solvent chemical inventory was performed at Newark AFB to develop a chemical usage profile of the Building 4 facility, and identify primary sources of solvent emissions. This survey was performed in two parts. Part 1 consisted of a chemical inventory survey which defined solvent chemical usage rates and locations. Part 2 was the development of a mass balance profile for the two most commonly used solvents: 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113) and 1,1,1-trichloroethane (TCA). The results of the mass balance efforts were used to identify significant CFC-113 and TCA emission sources and develop a test matrix for quantifying solvent emissions from the identified sources. It was found that nearly all of the CFC-113 is lost from sources that are vented either directly to the atmosphere or to poorly operated solvent vapor recovery systems.

This Project Summary was developed by EPA's Air and Energy Engineering Research Laboratory, Research Triangle Park, NC, to announce key findings of the research project that is fully documented in a separate report of the same title (see Project Report ordering information at back).



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Charles H. Darwin is the EPA Project Officer, (see below).

The complete report, entitled "Solvent Chemical Inventory of the Newark AFB Building 4 Facility," (Order No. ADA 242-320; Cost: \$17.00, subject to change) will be available only from:

*National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
Telephone: 703-487-4650*

The EPA Project Officer can be contacted at:

*Air and Energy Engineering Research Laboratory
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711*

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Cincinnati, OH 45268

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