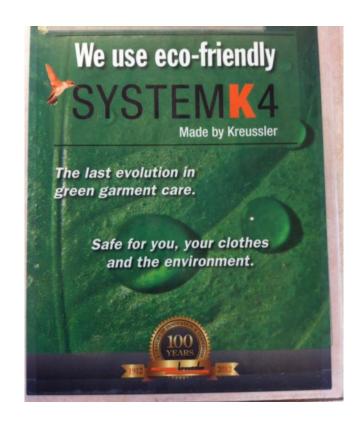
# Evaluation of Drycleaning Shops Using Solvon K4 (Part I)



Steve Whittaker, Ph.D.

**Local Hazardous Waste Management Program** 

**Public Health – Seattle & King County** 



Local Governments for Health and the Environment: King County, City of Seattle, Sound Cities Association

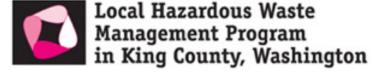
#### **Outline**

- What is LHWMP?
- LHWMP and dry cleaning
- Emerging solvents
- "Greenwashing"
- Connection with NIOSH



#### LHWMP?

- Local Hazardous Waste Management Program (in King County, WA)
- "To protect and enhance public health and environmental quality in King County by reducing the threat posed by the production, use, storage and disposal of hazardous materials"
- Multi-jurisdictional includes four government agencies, 37 cities and tribal governments in King County



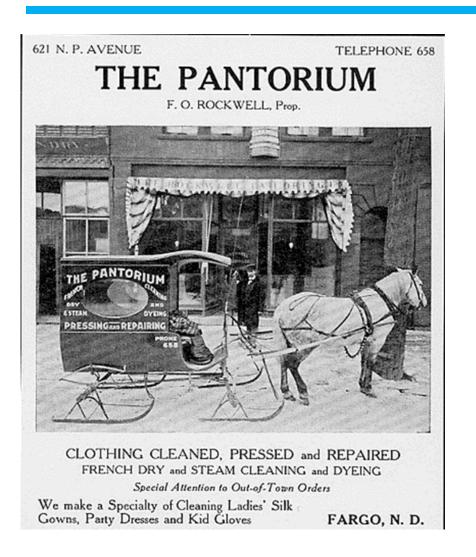
# **LHWMP** and Dry Cleaners

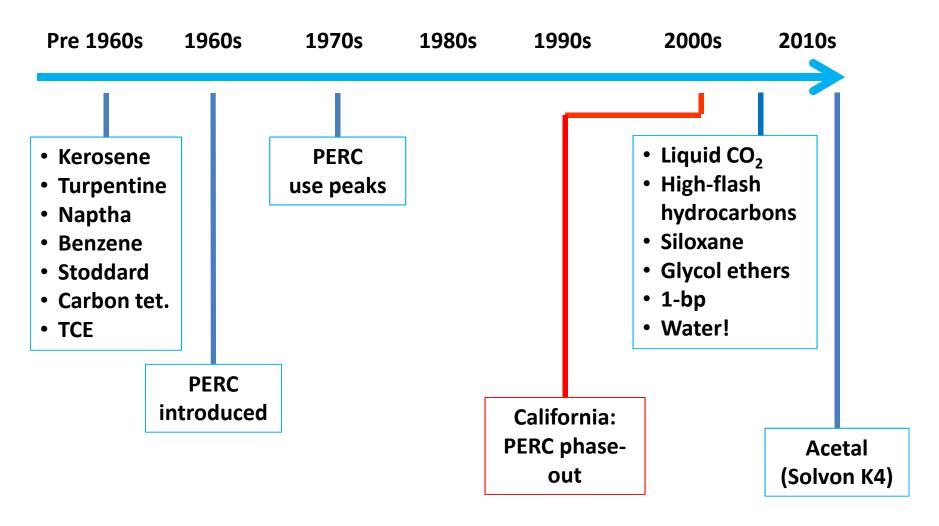
- Providing technical and financial assistance for >20 years
- Many are "EnviroStars"
- New solvents in last 10 years
- Data gaps!

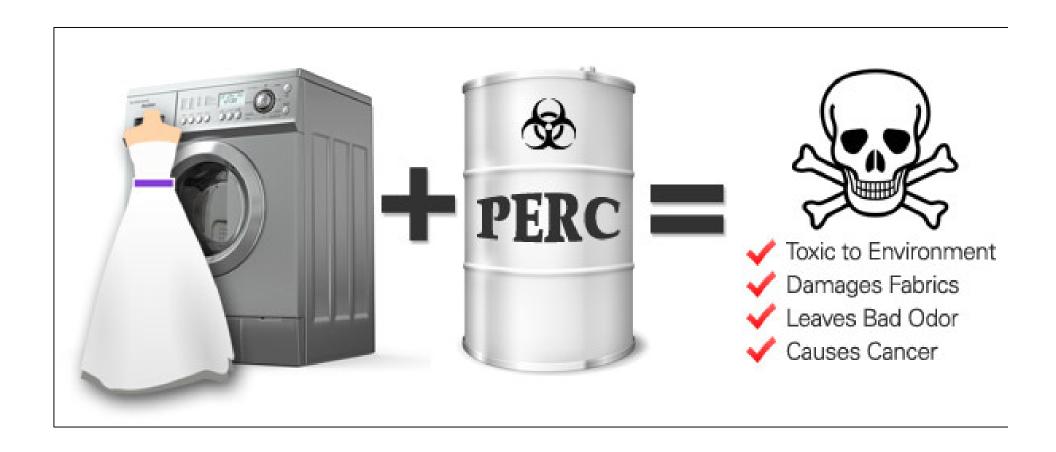




Pre 1960s 1960s 1970s 1980s 1990s 2000s 2010s









# Greenwashing



#### LHWMP and NIOSH

- Solvon K4 shops appearing in King Co.
- WA OSHA complaint about odor
- No information about exposures
- Sampling methods not developed
- Concern about formaldehyde
- Contacted Diana Ceballos re. NIOSH interest
- Facilitated an HHE in a King Co. shop

#### The NIOSH Dream Team I



## The NIOSH Dream Team II

