







## VI. HAZARDOUS MATERIALS CONTROL

### *Analysis of Potential Impacts*

Operation of the WMKO requires periodic maintenance of the machinery and equipment. During the course of this maintenance, some hazardous solutions are used to recoat the mirror surfaces of the Keck I and Keck II telescopes. After installation Outrigger Telescope mirrors and equipment will require similar maintenance. If accidentally released onto the Pu‘u Hau ‘Oki slopes, the chemicals used during the mirror recoating process could (hypothetically) harm Wēkiu bugs.



Figure VI-1. Technician testing a mirror segment after washing and recoating. *Photo courtesy of the W. M. Keck Observatory.*

Controlling hazardous materials is a serious responsibility that requires specific management actions. When managed properly, hazardous materials pose little danger to the surrounding environment. In 1976 the U.S. Congress enacted the Resource Conservation and Recovery Act (RCRA) to protect public health and the environment from improper management of hazardous waste. The act contains specific regulations and responsibilities for the handling, use, storage, and disposal of hazardous materials.













