

<http://www.cdc.gov/niosh/docs/2005-139/> for NIOSH publication No. 2005-139, *Current Intelligence Bulletin 59, Current Lens Use in a Chemical Environment*; and

<http://www.labsafety.com/refinfo/ezfacts/ezf251.htm> for Lab Safety EZ Facts, Document No. 251, ANSI Z87.1 *Eye and Face Protection Standard Changes*.

—Cheryl Podsioki, *Objects Conservator*
The Field Museum, Chicago

Safety Alert: Nederman® Local Exhaust Hoods

Two recent fire incidents within a conservation lab that involved Nederman® brand local exhaust capture “snorkel trunks” were reported several months ago. One incident narrowly averted personnel injury and resulted in melted plastic components falling onto a collection object being conserved. In each incident it seemed that inappropriately rated replacement bulbs had been installed within the

integrated light unit of the extractor arms. The use of higher wattage bulbs resulted in overheating and melting of the plastic light assembly insert in the Nederman® hood.

The light package for the extractor arms uses either a 12- or 24-volt halogen bulb rated for up to 20 watts. No light bulb rated greater than 20 watts should be used with these systems. Additionally, when replacing the bulbs it is imperative that the clip holding the bulb in place be secured properly, to ensure the bulb does not slide out.

Non-Nederman®-brand capture hoods may be susceptible to the same problem if improper bulbs are installed. The proper bulb type and rating should be verified with the respective manufacturer for any capture hood, prior to change out.

The light source interferes slightly with exhaust flow. Conservators should be aware that the light assembly is an optional item and if the capture hood in their lab has one, but the light source isn't needed, then a qualified

electrician should remove it.

Nederman® has responded to news of these incidents. The company has begun to place warning labels (example below) on all extractor arm hoods that can accommodate a light package.



Nederman® places tremendous value on its reputation in the conservation community and appreciates the opportunity to provide equipment to the community to improve the health and safety of conservation workers.

To find a Nederman representative, please go to: <http://www.nedermanusa.com/html/contact.html>

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