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Date May 31, 1984
Originating Dept. HS&EA
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Subject OSHA SAMPLING PROCEDURES

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UC-3307

For Your Information

The attached correspondence from ORC highlights a significant change in OSHA field policy, i.e., the placement of sampling devices inside of air supplied hoods.

R. G. Hanlon
Richard G. Hanlon

RGH:jmc
Attachment

UCC 000553

202-737-6330

Organization Resources Counselors, Inc.

Memorandum

May 23, 1984

To: ORC Occupational Safety and Health Group
ORC Occupational Safety and Health Lawyers Group
ORC Occupational Safety and Health Physicians Group

From: W. William Ament

Subject: OSHA's Industrial Hygiene Technical Manual Changes Concerning Air Supplied Hoods

On March 30, OSHA published its long awaited revision to its Industrial Hygiene Technical Manual. Of particular interest to a number of the ORC Occupational Safety and Health Group members is a change in the requirements for sampling when employees use air supplied hoods. This change provides that the filter cassette must be located inside the employees hood. This is an important change in OSHA's policies on employee exposure to air contaminants sampling procedures.

WWA/dm

enclosure

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background of 1 fiber or less at a flow rate of approximately 2.0 lpm.

b. Sampling is performed using an open-face cassette with the filter fully exposed. Position the cassette so that the mouth faces downward, preventing settling deposition.

c. Instruct the subject to avoid knocking the cassette or using a compressed air source that might dislodge the sample.

d. Use electrical tape or shrinkable bands to seal the cassette bottom and ring spacer together.

NOTE: The use of the electrical tapes or shrinkable bands do not ensure an adequate seal. Take care to ensure a tight fit of cassette components.

2. Burning and Welding Operations.

a. In sampling for employee exposure to air contaminants generated during burning and welding operations, ensure that the filter cassette is located inside the employee's welding hood. Follow the sampling procedures in Chapters II and III of this manual. If the samples are being taken for the purpose of determining compliance with engineering control requirements, then the samples can be taken outside the welding hood.

b. If the CSHO is concerned about overexposure to a specific metal generated by using a special welding rod or by welding on a specific base metal or painted surface hazardous material, he or she should sample for specific substances listed in 29 CFR 1910.1000 (e.g., chromium, fluorides, nickel, or iron oxide).

3. Other. In sampling for employee exposure to air contaminants generated during work operations where air-supplied hoods are used (i.e., painters or foundry chippers and grinders), ensure that the filter cassette is located inside the employee's hood. Follow the sampling procedures in Chapters II and III of this manual.

UCC 000555

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