

Date Prepared 5/2001
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BMP HRS #5

TITLE: Ozone Depleting Chemical Refrigerant Management

Regulatory Citation: 40 CFR 82 Subpart F

Applicability: Equipment containing ozone depleting refrigerants

Purpose: Proper management and disposal of ozone depleting refrigerants.

**Person or
Department Responsible:** HRS Laboratory Assistant

Schedule: As needed

Procedure: The HRS Department will review all recycling equipment and refrigerants used in the HRS Laboratory to ensure that all regulations regarding Ozone Depleting Chemicals (ODCs) are complied with and that the minimal amount of ODCs are present in the HRS Laboratory. In particular, the HRS Department will ensure that:

- All instructors are properly EPA certified (a list of EPA certified instructors will be forwarded to the Coordinator of Environmental Health and Safety);
- No ODC is knowingly released into the atmosphere while maintaining, servicing, repairing or disposing of air conditioning motor vehicle equipment;
- Technicians will follow the evacuation requirements outlined in Section 608 of the EPA regulations. When opening equipment, a vacuum will be established in accordance with the levels listed in Table 1 of the regulation (see attached);
- Technicians repairing small appliances, such as household refrigerators, window air conditioners, and water coolers, must recover:
 - 80% of ODC refrigerants are recovered when using recycling equipment manufactured before November 15, 1993 or when the compressor is not operating; and
 - 90% of ODC refrigerants are recovered when using recycling equipment manufactured after November 15, 1993 and the compressor is operating;

In order to ensure that they are recovering the correct percentage of refrigerant, technicians must use the recovery

equipment according to the directions of its manufacturer. Technicians may also satisfy recovery requirements by evacuating the small appliance to four inches of mercury vacuum.

- All ODC refrigerant recovery equipment is labeled with the manufacturer and date, and is EPA approved. (Note: equipment will not be serviced or re-certified, and thus, no service or maintenance records are necessary)
- A Refrigerant equipment acquisition Certification form has been filed with the EPA Regional office for all refrigerant recovery equipment owned by the HRS department
- Students working on ODC refrigerant appliances are supervised by a EPA certified instructor;

Record keeping: Instructor EPA Certification
ODC Recovery Equipment Acquisition Certification Form

Record Location: Original at HRS Department, copy to EHS

Contact: Coordinator of Environmental, Health and Safety (629-7163)
HRS Laboratory Assistant (629-7561)

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