

<p>ANNE ARUNDEL COUNTY DEPARTMENT OF DETENTION FACILITIES</p> <p>ADMINISTRATIVE DIRECTIVE</p>	<p>AD NO: 04.04 DATE: July 1, 2023 SUBJECT: Safety and Sanitation TITLE: Respiratory Program FOR PUBLIC RELEASE: Yes</p>
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I. Reference: 29 CFR §1910.134; JRDC OD 02.01, 02.02, 02.06, 02.07, 02.08; ORCC 02.01, 02.02, 02.06, 02.07, 02.08

II. Applicable to: Anne Arundel County Department of Detention Facilities (AACDDF)

III. Purpose: To protect employees from respiratory hazards and comply with the requirements of 29 CFR §1910.134.

IV. Definitions:

A. Emergency Situation – Any occurrence such as, but not limited to, equipment failure, rupture of containers or failure to control equipment that may or does not result in an uncontrolled significant release of airborne contaminants.

B. Employee Exposure – Exposure to a concentration of an airborne contaminant that would occur if the employee were not using respiratory protection.

C. Immediately Dangerous to Life or Health (IDLH) – an atmosphere that poses an immediate threat to life, would cause irreversible adverse health effects or would impair an individual’s ability to escape from a dangerous atmosphere.

D. Qualified Health Care Professional, Physician or other licensed health care professional (QHCP) – an individual whose legally permitted scope of practice (e.g., license, registration or certification) allows them to independently provide, or be delegated the responsibility to provide, some or all of the health care services required by this regulation.

V. Policy:

A. The AACDDF shall institute a respiratory program for all staff required to wear the iEvac Smoke/Fire Hood.

B. The Training Unit shall be the Program Administrator responsible for all facets of the program.

C. Respirator Selection

1. The AACDDF has been surveyed for areas and operations where the potential for a hazardous atmosphere exists as follows:

- a. The evacuation of inmates during fire/smoke incidents creates an atmosphere that is IDLH. In such instances, the iEvac Smoke/Fire Hood shall be utilized by trained security staff.
  - b. The Negative Pressure Isolation Rooms and the handling of inmates with active Tuberculosis (TB) and other airborne diseases present a potential for disease exposure. A NIOSH approved filter respirator shall be utilized by employees while in the Negative Pressure Isolation Room when an inmate is present who has, or is suspected of having, active TB.
  - c. When Oleoresin Capsicum (OC) spray is used during a use of force, a potential for irritation exists that could keep the Officer from safely performing duties. A negative pressure full face mask respirator with a HEPA filter shall be used.
2. When operations are changed or new operations are added, these shall be examined by the Program Administrator to identify any potential for hazardous atmosphere.
- D. Medical Evaluations - A medical evaluation shall be provided to determine each employee's ability to use an iEvac Smoke/Fire Hood. This shall be conducted prior to the required use of the iEvac Smoke/Fire Hood in the workplace.
1. The medical evaluation form shall be completed either at the time of the pre-employment physical or during the preparation for employment physical for current staff. The form shall be placed in a pre-addressed envelope and mailed to the County's Physician or Qualified Health Care Provider (QHCP). This shall be done utilizing the Medical Evaluation Questionnaire. (Appendix 1)
  2. A follow-up medical examination shall be provided to any employee who gives a positive response to any question 1 through 8 of the Medical Evaluation Questionnaire. The follow-up medical examination shall include any medical tests, consultations or diagnostic procedures the QHCP deems necessary to make a final determination.
  3. Information as to the type of respirator, frequency and duration of use, the expected work effort, any additional Personal Protection Equipment (PPE) and the conditions that may be encountered shall be included on the Medical Evaluation Questionnaire prior to the employee completing the form.

4. In determining a person's ability to use the iEvac Smoke/Fire Hood, the Department shall obtain a written recommendation regarding each employee's ability to use the iEvac Smoke/Fire Hood from the QHCP. This recommendation shall include only the following:
  - a. Whether or not the employee is medically able to use the iEvac Smoke/Fire Hood and any limitations relating to the workplace conditions in which the hood shall be used;
  - b. The need, if any, for follow-up medical evaluations; and
  - c. A statement that the QHCP has provided the employee with a copy of the written recommendation.
5. Additional medical evaluations shall be provided if:
  - a. An employee reports medical signs or symptoms that are related to the ability to use an iEvac Smoke/Fire Hood;
  - b. A QHCP, supervisor or the respirator Program Administrator informs the employer that they need to be reevaluated;
  - c. Information from the respirator protection program, including observations made during fit testing (if applicable) and program evaluation, indicates the need for employee reevaluation; or
  - d. A change occurs in the workplace conditions that may result in a substantial increase in the physiological burden placed on the employee.

VI. Procedures:

A. Facility Evacuation

1. When an employee reports to their assigned Post, the employee shall check to ensure the assigned iEvac Smoke/Fire Hood is on the Post. The Officer being relieved shall not leave the Post until the relief Officer has the appropriate equipment available.
2. If a situation occurs requiring the evacuation of inmates because of smoke or a toxic atmosphere, the employee shall first don the iEvac Smoke/Fire

Hood, sound the alarm and proceed in accordance with the applicable Operational Directives.

- B. Negative Pressure Isolation Room – when assigned duties requiring work in the area where inmates with active TB or suspected active TB are housed, the Officer or employee shall be equipped with the appropriate disposable NIOSH approved filter respirator, in accordance with AD 10.05.
- C. Continued iEvac Smoke/Fire Hood Effectiveness
  - 1. Supervisors shall monitor the work area when iEvac Smoke/Fire Hoods are in use to insure the proper use of the hoods and the health of employees.
  - 2. Supervisors shall ensure the employee leaves the affected area:
    - a. To wash their face as necessary to prevent eye or skin irritation associated with iEvac Smoke/Fire Hood use, or;
    - b. Where there is a vapor detected or gas breakthrough, changes in breathing resistance or leakage of the iEvac Smoke/Fire Hood.
- D. IDLH Atmosphere
  - 1. An employee entering an IDLH atmosphere to evacuate inmates shall follow the procedures set forth in the applicable Operational Directives to maintain the means to communicate with other employees to ensure the safe evacuation of inmates and staff.
  - 2. An Officer shall be located outside the IDLH atmosphere equipped with iEvac Smoke/Fire Hood and appropriate means of rescue.
- E. Storing and Inspecting of Equipment
  - 1. Each Post shall be supplied with one iEvac Smoke/Fire Hood, stored in a sealed bag.
  - 2. Inspections shall occur at the following intervals:
    - a. Before each use in routine situations
    - b. Monthly

3. Inspection includes the following;
  - a. Packaging is unopened and has not been tampered with.
  - b. Expiration date has not passed.
  - c. Ensuring Certification by documenting the date of the inspection, name of person who made inspection, findings and any required remedial action on the Monthly Fire Inspection Report.
4. Replacement of iEvac Smoke/Fire Hood(s)
  - a. Any iEvac Smoke/Fire Hood on a Post that fails inspection or is otherwise found to be defective shall be replaced immediately.
  - b. An Incident Report shall be completed and submitted to the Captain for review and inclusion in compliance documentation.
  - c. iEvac Smoke/Fire Hoods shall be replaced according to the manufacturer's recommendations and specifications.

F. Training

1. Training on respiratory hazards and use of respiratory equipment shall be conducted before using an iEvac Smoke/Fire Hood with In-Service Training to be conducted annually. An employee who does not receive this training shall not be permitted to use an iEvac Smoke/Fire Hood.
2. Re-training shall also be provided when any of the following situations occur:
  - a. Inadequacies in employee's knowledge or use of the iEvac Smoke/Fire Hood indicate that the employee has not retained the necessary understanding.
  - b. Any other situation in which retraining appears necessary to ensure safe iEvac Smoke/Fire Hood use.
3. The training shall be administered by the Training Unit in accordance with this directive and applicable OSHA standard(s).


G. Program Evaluation

1. The Program Administrator shall conduct an annual evaluation to ensure the program provisions are effectively implemented.
2. In addition to the annual evaluation, routine evaluations shall occur as follows:
  - a. Employees should constantly assess the program effectiveness and identify problems such as iEvac Smoke/Fire Hood fit, use and maintenance and forward comments to the Program Administrator.
  - b. Supervisors should consult staff for their opinions regarding the program's effectiveness and to identify problems during informal meetings, monthly Personal Protection Equipment inspections and post incident analysis.
  - c. Persons conducting annual training shall consult employee view on the program's effectiveness and to identify issues of concern.

H. Record Keeping

1. Medical Evaluation – records of medical evaluations required by this directive shall be maintained by Personnel and made available in accordance with 29 CFR 1910.1020.
2. A written copy of the current respirator program shall be available in accordance with AD 01.02 Section IV.B.

This directive shall be reviewed at least annually and revised as necessary.

  
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Christopher Klein  
Superintendent

Rescinds: November 1, 2005  
AD 04.04 dated August 1, 2016

Appendix 1 - OSHA Mandatory Respirator Medical Evaluation Questionnaire