

Standards

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Respiratory Protection

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Change Summary

Description of Change

Course titles need to match the TAS titles

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1.0 PURPOSE

This document establishes requirements for the Respiratory Protection (RP) Training Program. This program includes initial, refresher, Issuer and mask fit training. The program reflects the requirements of OSHA 29 CFR 1910.134 (k), Respiratory Protection and DOE-0352, Rev. 0, *Hanford Site Respiratory Protection Program (HSRPP)*.

2.0 SCOPE

This Level 2 program description applies to all contractor and subcontractor employees (including vendors) who are:

- Identified in their employee job task analysis (EJTA) as a respirator wearer,
- Identified by OSHA 29 CFR 1910.134 (k) as requiring training or,
- Requested by their management to attend.

3.0 TRAINING

There are no educational or experience entry requirements for RP Training. Comprehension of the English language is required to attend and complete the respiratory training. Comprehension is validated by the successful completion of this training program. Employees must have a current respiratory physical.

NOTE: A current respiratory physical is required for donning, doffing, and use of respirators. Students attending only the knowledge-based objectives portion of the course are not required to have a current respiratory physical. The knowledge-based portion alone does not qualify an employee to wear any respirator.

3.1 Initial Training

Prior to attendance, initial RP training requires proof of a current respiratory physical and a completed Training Requirement Sheet (TRS) either from the Learning Management System (LMS) data base or filled out by the student's training coordinator. Students must be clean shaven if scheduled for a course that requires the use of a facepiece.

The RP initial training program is comprised of the following courses (as needed):

Respiratory Protection (Knowledge-based) Initial course #020066. Course #020066 is a prerequisite to any respirator specific training. This knowledge-based course alone does not qualify an employee to wear any respirator.

Respiratory Protection specific training Initial course numbers:

- 020542 –MSA Adv. 200 ½ face Air Purifying Respirator (APR)

- 020527 –MSA Ultra Elite Air Purifying Respirator (APR)
- 020550 –MSA TL PAPR hood only
- 020525 –MSA TL PAPR FacePiece/Hood
- 020532 – MSA Optimair Mask Mounted (MM) PAPR Face Piece
- 020546 - 3M N95 Filtering Facepiece
- 020539 – 3M 6000 Air Purifying Respirator (APR)
- 020519 – 3M TR-600 Versaflo Powered Air Purifying Respirator (PAPR) Initial
- 020523 – 3M Versaflo (PAPR) facepiece/Hood
- 020530 – 3M Breathe Easy PAPR Hood
- 020801 – RAP Emergency Response Team Breathe Easy PAPR Training
- 020536 – Scott O-Vista / AV 2000 Air Purifying Respirator (APR)
- 020538 – Scott AV 3000 Air Purifying Respirator (APR)
- 020030 – Scott SCBA
- 020032 – Scott SKA-PAK
- 020601 – Supplied (Carri-Air) Air Entry-Exit System
- 020047 – Bottle Cart Supplied Air System Operator Qual
- 020517 – Bullard EVA PAPR

3.2 Annual Refresher Training

Annual respirator specific refresher training is required. Employees shall not wear a respirator after their annual training has expired.

Prior to attendance, refresher respiratory training requires proof of a current respiratory physical, a completed TRS, proof of initial training, and must be clean shaven if scheduled for a course that requires the use of a facepiece.

Students receive knowledge based respiratory training, all appropriated mask fits, and training on all requested respirators as part of an all-inclusive course.

The Respiratory training refresher program is comprised of the following courses:

- Respiratory Protection (Knowledge-based) Refresher Course #02R066 or Respiratory Protection (Knowledge-based) Initial course #020066.

Each participant is required to attend the knowledge-based refresher course as a prerequisite to any respirator specific training. The knowledge-based course alone does not re-qualify an employee to wear any respirator.

Respiratory Protection Refresher specific training Course numbers:

- 02R542 –MSA Adv. 200 ½ face Air Purifying Respirator (APR) Refresher
- 02R527 –MSA Ultra Elite Air Purifying Respirator (APR) Refresher
- 02R550 –MSA TL PAPR hood only-Refresher
- 02R525 –MSA TL PAPR Facepiece/Hood Refresher
- 02R532 –MSA Optimair mask mounted (MM) PAPR facepiece Refresher
- 02R546 3M - N95 Filtering Facepiece Refresher
- 02R539 – 3M 6000 Air Purifying Respirator (APR) Refresher
- 02R519 – 3M TR-600 Versaflo Powered Air Purifying Respirator (PAPR) Refresher
- 02R523 – 3MTR-600 Versaflo (PAPR) With 3M 6000 Full Facepiece/Hood
- 02R530 – 3M Breathe Easy PAPR Hood Refresher
- 020801 – RAP Emergency Response Team Breathe Easy PAPR Training
- 02R536 – Scott O-Vista & AV 2000 Air Purifying Respirator (APR) Refresher
- 02R538 – Scott AV 3000 Air Purifying Respirator (APR) Refresher
- 02R030 – Scott SCBA Refresher
- 02R032 – Scott SKA-PAK Refresher
- 02R601 – Supplied Air (Carri-Air) Entry-Exit System Refresher
- 02R047 – Bottle Cart Supplied Air sys Op Qual Refresher
- 02R517 – Bullard EVA Powered Air Purifying Respirator (PAPR) Refresher

3.2.1 Annual PAPR Hood Only Refresher Training

The PAPR hood only respiratory training refresher program is comprised of the following courses:

- Respiratory Protection (Knowledge-based) Refresher PAPR Hood Only Course #02RH66

Each participant is required to attend the knowledge-based refresher PAPR Hood Only course as a prerequisite to any respirator specific training. The knowledge-based course alone does not re-qualify an employee to wear any respirator.

Respiratory Protection specific training Refresher PAPR Hood Only Course numbers:

- 02R550 –MSA TL PAPR hood only-Refresher
- 02R519 – 3M TR-600 Versaflo Powered Air Purifying Respirator (PAPR) Refresher
- 02R530 – 3M Breathe Easy PAPR Hood Refresher
- 02R517 – Bullard EVA Powered Air Purifying Respirator (PAPR) Refresher

3.3 Respiratory “I” Course

Employees who are current in either Respiratory Initial (course #020066) Respiratory Refresher (course #02R066), or Respiratory PAPR Hood Only Refresher (course # 02RH66) can add a stand-alone course, also known as an “I” Course, for respiratory equipment for which they have not previously been qualified. Once this course has been completed, the respiratory equipment and qualification can be added to the employee’s training plan and the completion date is aligned with the previous Initial or Refresher completion date. The “I” Course may also be repeated later without being on the training plan, as long as the employee is current in Respiratory Training course #020066, #02R066, or #02RH66 and within the 24- month Grace Period.

Respiratory Protection (Practical stand alone) Initial “I” Course numbers:

- 02I542 – MSA Adv. 200 ½ face Air Purifying Respirator (APR)-Standalone
- 02I527 – MSA Ultra Elite Air Purifying Respirator (APR)-Standalone
- 02I550 – MSA TL PAPR hood only
- 02I525 – MSA TL PAPR Facepiece/Hood
- 02I532 – MSA Optimair Mask Mounted (MM) PAPR Facepiece
- 020522 – MSA Respiratory PremAire Supplied Airline System

- 021546 – 3M N95 Filtering Facepiece Standalone
- 021539 – 3M 6000 Air Purifying Respirator (APR)-Standalone
- 021519 – 3M TR-600 Versaflo Powered Air Purifying Respirator (PAPR) (I-course)
- 021523 – 3M Versaflo (PAPR) Facepiece/Hood
- 021530 – 3M Breathe Easy PAPR Hood
- 020801 – RAP Emergency Response Team Breathe Easy PAPR Training
- 020516 – 3M Versaflo M-405 Respiratory Helmet (PAPR)
- 020515 – PAPR Welding Helmet-Speedglas
- 020512 – 3M Speedglas Welding Helmet G5-01
- 021536 – Scott O-Vista & AV 2000 Air Purifying Respirator (APR)
- 021538 – Scott AV 3000 Air Purifying Respirator (APR)-Standalone
- 02I030 – Scott SCBA
- 02I032 – Scott SKA-PAK
- 02I601 – Supplied Air (Carri-Air) Entry-Exit System I Course
- 02I047 – Bottle Cart Supplied Air System Operator Qualification
- 021517 – Bullard EVA Powered Air Purifying Respirator (PAPR) (I-course)
- 020547 – Bullard Sandblasting Hood/ Helmet (Supplied Air)
- 020500 – Escape Self-Contained Breathing Apparatus (ESCBA) –(Transaire)

3.4 Issuer Training

Site contractors shall ensure that respiratory protection issuers are trained, qualified, and proficient prior to being assigned issuer duties. Issuers shall be designated by management with RPPA or IH/SME/delegate concurrence.

Issuers shall receive training on the same RPE that is being issued at their station. Training and qualifications shall be renewed annually and shall utilize Worker Trainer involvement during development and delivery.

Issuers shall receive HAMMER Site-wide Issuer Training (#020104) which shall include, at a minimum, specific requirements of the Respiratory Program, manufacturer requirements, DOE

complex lessons learned, equipment specific configuration requirements, and blood borne pathogen hazards and controls.

Issuers will also receive site-specific issuer training and their qualifications shall include, at a minimum, training on all aspects of issuance, positive control of RPE, and maintenance and care of RPE. Site-specific Issuer Qualifications shall be provided and documented through On-the-Job Training (OJT) and On- the-Job Evaluations (OJE).

3.5 Instructional Methods

The instructional methodologies include small group problem solving activities, traditional lecture, demonstration, workplace simulations and hands-on practice with respirators, and one-on-one practical evaluations. Knowledge-based objectives are covered in the morning followed by the remainder of the day engaged in the inspection, donning, utilizing in simulated work areas, and doffing of respirators.

The RP training courses utilize the skills of respirator wearers employed throughout the Hanford area as worker trainers. The instructors are exclusively Hanford Atomic Metal Trades Council (HAMTC) and Central Washington Building & Construction Trades Council (CWB&CTC) bargaining unit employees who work regular bargaining unit jobs and volunteer to instruct RP classes.

3.6 Testing

RP courses are tested by practical examination checklists, which are based upon the learning objectives for each course. The practical examination checklist is a one-on-one evaluation of the participant's ability to correctly inspect, don, utilize, and doff a respirator in accordance with a checklist. Students must have proof of a respiratory physical prior to beginning the practical portion of the training.

3.7 Failures and Remediation

Remediation for initial and refresher RP training deficiencies will be conducted as follows:

- Failure of the practical exam requires instructor remediation and a retake of the entire practical exam by the participant
- Failure of the second practical exam will initiate communications with participant's manager by the RP training POC and will require a retake of the RP initial class.

The minimum passing criteria for the practical exam is successful completion to the satisfaction of the instructor.

3.8 Training Exceptions

The Hanford Site Respiratory Protection Program DOE-0352 does not allow exemptions or equivalencies.

3.9 Training Process

RP training is based on the requirements of OSHA in accordance with 29 CFR 1910.134 (k) and the Hanford Site Respiratory Protection Program DOE-0352. Hanford Site information revisions have been made to the program in accordance with the Systematic Approach to Training (SAT). Practical factors have been developed to ensure skills are taught and evaluated prior to use in the field.

3.10 Facility Training Guidance

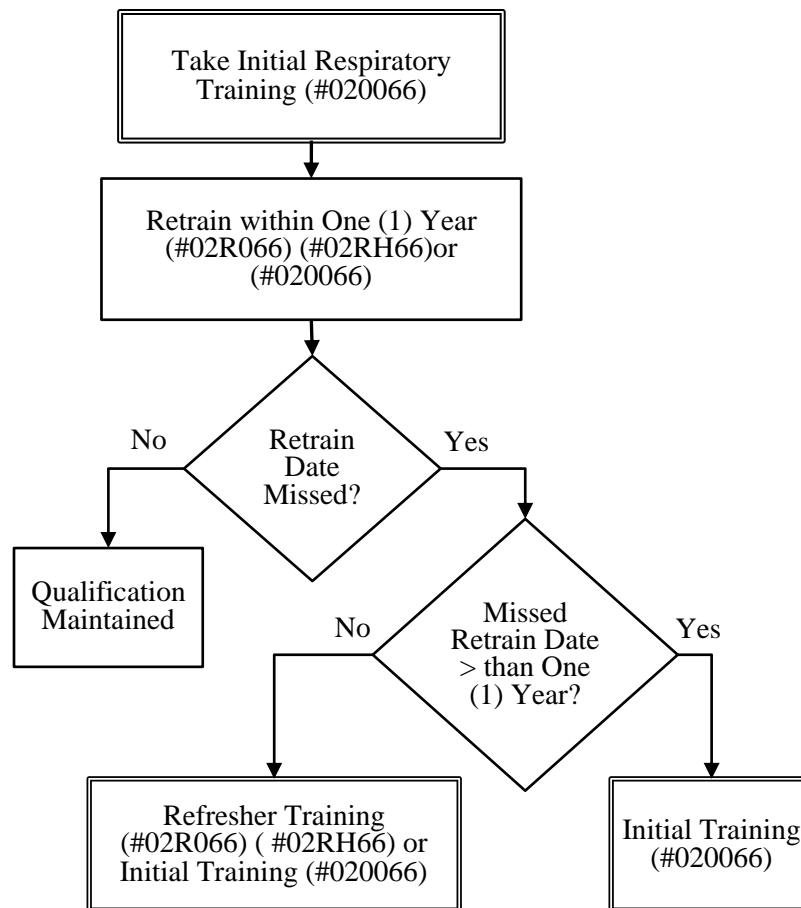
Facilities may have additional training requirements to supplement the RP training program. Typically, this training provides additional knowledge and skill for specific work practices, decontamination procedures, and methods used to integrate respirators with other PPE. Facility specific training shall be conducted in accordance with the SAT model and be provided prior to utilization of any respirator. The Hanford Site Respiratory Protection Committee must approve all respirators prior to use onsite. Respiratory Requalification and Training Grace Period

Respiratory users must complete respiratory initial training before being able to use any assigned respiratory protection equipment. Then complete retraining annually to remain compliant with OSHA regulations and qualified to wear respiratory equipment at the Hanford Site.

Workers who have exceeded their annual retraining date are not authorized to wear respiratory equipment.

- Workers may requalify by taking Respiratory Refresher, course #02R066 or Respiratory Initial, course #020066.
- Workers that have not re-qualified for more than 12-months following their retrain date, shall complete Respiratory Initial Training, course #020066.

See flow-chart below:



3.11 Mask Fit

As part of the RP program, all respiratory users shall complete mask fit on each make, model, and size of face piece worn by the user.

Prior to beginning the mask fit process, the user will ensure that they are clean shaven. There must be no facial hair between the sealing periphery of the face piece and the face. Facial hair must not interfere, or have the potential to interfere, with the sealing surface and must not require manipulation (e.g., braiding, securing with rubber band/mouth) in order to wear a respirator.

4.0 RECORD IDENTIFICATION

All records are generated, processed, and maintained in accordance with HMIS-PRO-TQ-249, *Training Records Administration*; HMIS-PRO-RM-10588, *Records Management Processes*; HMIS-PRO-RM-32281, *Electronic Records Management*, as applicable.

Table 1. Records Capture Table

Name of Record	Submittal Responsibility	Retention Responsibility
All records are stored in IDMS under file name HAMMER course files 000000 Respiratory Training	Instructional Designer	IDMS
Training Request Sheet (TRS)	Records	IDMS

5.0 SOURCES

5.1 Source Requirements

29 CFR 1910.134 (k), *Respiratory Protection*

ANSI Z88.2 - 2015

DOE-0352 Revision 0, *Hanford Site Respiratory Protection Program*

5.2 References

HMIS-PRO-RM-10588, *Records Management Processes*

HMIS-PRO-RM-32281, *Electronic Records Management*

HHT-PRO-TQ-61055, *Develop, Implement, Review and Revise HAMMER Training Activities*

5.3 Forms

Training Requirement Sheet (TRS)