

### *Cleaning, Maintenance and Storage*

#### *Cleaning*

PAPRs are to be regularly cleaned and disinfected at the designated PAPR cleaning station located in the lamproom. Units issued for the exclusive use of a miner shall be cleaned prior to use on the next shift. Those not assigned for the exclusive use of a miner will be cleaned and disinfected prior to the next shift of use or assignment to a different miner. All PAPRs will be cleaned by the lamproom attendant.

The following procedures are to be used when cleaning and disinfecting PAPRs:

#### *PAPRs Issued for Exclusive Use*

- Wipe the Helmet/Headband/Cradle assembly/Head seal/Temple seal/visor with a soft cloth dampened with a solution of mild soap and water.
- Vacuum the motor housing.
- Replace the main filter.
- Inspect all parts for damage or wear. Replace any parts that may affect the performance of the respirator.
- All components may be wiped with a soft cloth dampened with a solution of disinfectant and water.

#### *PAPRs Not Issued for Exclusive Use*

- Disassemble the motor housing assembly, the head harness assembly, the head seal assembly, the visor assembly, the main filter and the expander.
- Clean all parts by wiping them with a soft cloth dampened with a solution of mild soap and water. Wipe each component with a soft cloth dampened with disinfectant.
- Allow all parts to dry prior to reinstallation.
- Inspect all parts for damage or wear. Replace any parts that may affect the performance of the respirator.
- Replace the main filter with a new filter.

**Note:** The PAPR Program Administrator will ensure an adequate supply of appropriate cleaning and disinfection material at the cleaning station.

#### *Maintenance*

PAPRs are to be maintained at all times in order to ensure that they function properly and adequately protect the miner. Maintenance involves a thorough visual inspection for cleanliness, defects and operational function. Worn, damaged, defective, or exhausted parts will be replaced prior to use. No components will be replaced or repairs made beyond those recommended by the manufacturer. All

routine maintenance will be performed by the lamproom attendant.

The following checklist will be used when inspecting PAPRs:

- Headgear
  - Check that there are no dents or cracks in the headgear assembly
  - Look closely at the face seals. There should be no tears or loss of elasticity that could permit contaminated air to enter the headgear.
  - Check that the head seal and temple seals are in good condition.
- Faceshield
  - Check the faceshield for correct placement in the visor surround. Also look for scratches or other visual distortions that make it difficult to see through the faceshield.
- Blower Assembly
  - Remove the blower from the headgear
  - Examine the blower housing and replace it if cracked or damaged.
  - Examine the inside of the blower intake manifold for accumulated dust. Clean as described above, if required.
- Power supply and motor
  - Check operational function
  - Examine for tears or damage to the wiring or cable jacket.
  - Check for compliance with electrical permissibility requirements.
- PAPR battery packs will be placed on charge if not already indicating a full charge.

#### *Storage*

PAPRs will be stored in a clean, dry area, and in accordance with the manufacturer's recommendations. Clean/disinfected and inspected units will be placed in a sealed plastic bag and stored in the lamproom.

#### *Defective PAPRs*

PAPRs that have defective parts shall be removed from service immediately. If, during an examination or during the work shift, a miner discovers a defect in a PAPR, it should be brought to the attention of the supervisor. The supervisor will have the Program Administrator or delegate make immediate repairs or secure a replacement prior to the miner returning to the work area that requires PAPR use. With the approval of the supervisor, miners will be permitted to leave the work area to perform limited maintenance on their PAPR in a designated area that is free of respirable coal mine dust hazards. Situations when this will be permitted include: to wash

their PAPR facepiece, to replace a filter, leaking hose or exhausted power supply (battery), or to repair a damaged/missing visor.

#### *Training*

The Program Administrator will provide training to PAPR users and their mine supervisors on the contents of the Wellington Mining Company's PAPR Protection Program, on the applicable portions of the mine's approved mine ventilation plan revisions, and on MSHA respiratory protection standards. Miners will be trained prior to using a PAPR in the active workings. Supervisors will also be trained prior to using a PAPR in the active workings or prior to supervising miners who must wear PAPRs.

The training course will cover these topics:

- The Wellington Mining Company's PAPR Protection Program
- Applicable MSHA standards
- Respirable coal mine dust (including quartz) hazards encountered at Wellington Mining Company's operations and their health effects.
- Limitations of PAPRs
- PAPR donning, doffing and user fit check

Miners will be retrained at least annually. Miners must demonstrate their understanding of the topics covered in the training through hands-on exercises. PAPR training will be documented by the Program Administrator.

### **5.0 Program Evaluation**

The Program Administrator will conduct periodic evaluations of the active workings to ensure that the provisions of the program are being implemented. The evaluations will include regular consultations with miners who use PAPRs and their supervisors, site inspections, an examination of respirable coal mine dust sampling results, and a review of training records.

### **6.0 Documentation and Recordkeeping**

A written copy of this program and the MSHA requirements will be posted on the mine bulletin board for the review by interested miners, and a copy will be kept in the Program Administrator's office.

Also maintained in the Program Administrator's office are copies of training records. Those records will be updated as new miners are trained, and as existing miners receive annual refresher training.