

LTFE Annual Report Requirements

The final report will be grouped by respirator make and model tested. The report will compare the performance of the deployed respirators in terms of defects observed during testing. Comparisons of respirator makes and models will be avoided.

Introduction:

Note the extended LTFE is a departure from the previous phases which concluded with phase 10. Note the LTFE is now a BMS test and failure parameters are as follows:

- The Critical LTFE Parameters used for evaluation are:

$O_2 \geq 15\%$ [Average O_2 values less than 15% over a 1 minute period are considered a failure]

$CO_2 \leq 4\%$ [Average CO_2 values over 4% for a 1 minute period are considered a failure]

Capacity \geq NIOSH approval rated capacity

Breathing Circuit Integrity = No compromise of the breathing circuit such as: no rips, tears or.; no chemical migration allowing user exposure to chemicals, no foreign particles exceeding 5mg total measured from the mouthpiece and breathing tube

- Major Parameter Classification: A non-critical parameter that results in reduced protection for an individual using the SCSR.
- Minor Parameter Classification: A parameter that is not likely to reduce the usability of the SCSR.

NIOSH is using a strict inspection procedure on collecting samples. No damaged units arguably failing manufactures inspection criteria will be sampled.

Reports on SCSRs by make and model

- Number collected.
- Number of critical failures, by type, serial numbers of failing units
- Number of major Failures, by type, serial numbers of failing units
- Number of Minor Failures, by type, serial numbers of failing units
- CPIP actions opened as a result of critical or major failures
- Discussion of other pertinent observations

Appendix A listing CPIP investigations opened as a result of LTFE testing

Appendix B listing results of Product Audit evaluation on approved units

Appendix C listing relevant parameters of collected units by seam height, mining method, carried or cached units, make and model.