

3.2 Beryllium

3.2.1 Applicability

The provisions of this section are applicable to the following stationary sources:

- (a) Extraction plants, ceramic plants, foundries, incinerators, and propellant plants which process beryllium ore, beryllium, beryllium oxide, beryllium alloys, or beryllium-containing waste.
- (b) Machine shops which process beryllium, beryllium oxides, or any alloy when such alloy contains more than 5 percent beryllium by weight.

3.2.2 Stack Sampling

- (a) Unless a waiver of emission testing is obtained, each owner or operator required to comply with the emission standard of §61.32(c) shall test emissions from the source according to Method 104 of Appendix A of this text. Method 103 of Appendix A may be approved as an alternate method for some sources upon approval by the Director. The emissions test shall be performed:
 - (1) Within 90 days of the effective date in the case of an existing source or a new source which has an initial startup date preceding the effective date; or
 - (2) Within 90 days of startup in the case of a new source which did not have an initial startup date preceding the effective date.
- (b) The Director shall be notified at least 30 days prior to an emission test so that he may at his option observe the test.
- (c) Samples shall be taken over such a period or periods as are necessary to accurately determine the maximum emissions which occur in any 24-hour period. Where emissions depend upon the relative frequency of operation of different types of processes, operating hours, operating capacities, or other factors, the calculation of maximum 24-hour period emissions will be based on that combination of factors which is likely to occur during the subject period and which result in the maximum emissions. No changes in the operation shall be made, which would potentially increase emissions above that determined by the most recent source test, until a new emission level has been estimated by calculation and the results reported to the Director.
- (d) All samples shall be analyzed and beryllium emissions shall be determined within 30 days after the source test. All determinations shall be reported to the Director by a registered letter dispatched before the close of the next business day following such determination.
- (e) Records of emission test results and other data needed to determine total emissions shall be retained at the source and made available for inspection by the Director, for a minimum of 2 years.

3.2.3 Air Sampling

- (a) Stationary sources subject to §61.32(b) shall locate air sampling sites in accordance with a plan approved by the Director. Such sites shall be located in such a manner as is calculated to detect maximum concentrations of beryllium in the ambient air.
- (b) All monitoring sites shall be operated continuously except for a reasonable time allowance for instrument maintenance and calibration, for changing filters, or for replacement of equipment

needing major repair.

- (c) Filters shall be analyzed and concentrations calculated within 30 days after filters are collected. Records of concentrations at all sampling sites and other data needed to determine such concentrations shall be retained at the source and made available, for inspection by the Director, for a minimum of 2 years.
- (d) Concentrations measured at all sampling sites shall be reported to the Director every 30 days by a registered letter.
- (e) The Director may at any time require changes in, or expansion of, the sampling network.

¹Code of Federal Regulations, Title 40, Part 61.