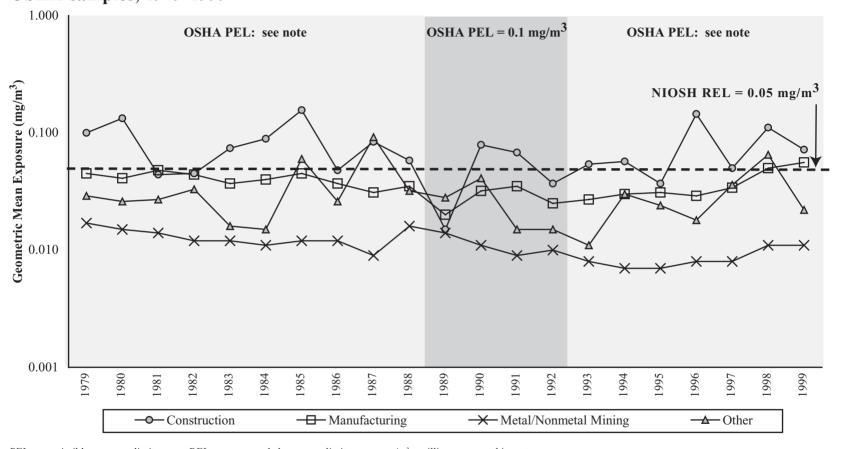
Figure 3-6b. Respirable quartz: Geometric mean exposures by major industry division, MSHA and OSHA samples, 1979-1999



PEL - permissible exposure limit mg/m^3 - milligrams per cubic meter NOTE: Before March 1, 1989 and after March 22, 1993, the OSHA PEL is $[(10 \text{ mg/m}^3) / (\% \text{ quartz} + 2)]$, for respirable dust containing at least 1 percent quartz. From March 1, 1989 to March 22, 1993, the OSHA PEL was 0.1 mg/m^3 for respirable quartz. For metal/nonmetal mining, the MSHA PEL is $[(10 \text{ mg/m}^3) / (\% \text{ quartz} + 2)]$ for respirable dust containing at least 1 percent quartz. See appendices for source description, methods, and agents.

SOURCE: Mine Safety and Health Administration (MSHA) metal/nonmetal data. Occupational Safety and Health Administration (OSHA) Integrated Management Information System.