

APPENDIX C

Composition of Diesel Exhaust Fumes

The National Institute of Occupational Safety and Health (NIOSH) in the USA explains that NIOSH safety reps should consult with employers where members are exposed to diesel fumes in the workplace. The aim should be to replace the use of diesel fuels, or where this is not possible, provide measures in line with the guidance below, which will reduce exposure to diesel fumes.

The EPA is consistently monitoring and establishing new air quality standards, in an attempt to abate the dangers of diesel exhaust fumes. The EPA is working to set up new air quality standards to help abate the problem of diesel fumes. The American Conference of Governmental Industrial Hygienists (ACGIH) has helped in the creation of these guidelines. They are as follows:

- Ozone (O3) ACGIH: (complex, includes workload, et al) EPA: 0.08-ppm (8 hrs) 0.12ppm (1 hr) . Particulate (PM2.5) EPA: 15ug/m3 (annual means) 65 ug/m3 (24 hrs)
- Particulate (PM10) EPA: 50ug/m3 (annual means) 150/m3 (24 hrs)
- Sulfur Dioxide (SO2) EPA: 0.03 ppm (80mcg/m3; annual average) 0.14 ppm (365 mcg/m3/24 hrs) ACGIH: 2 PPM (TWA) 5 ppm (CEILING)
- Carbon Monoxide EPA: 9 ppm (10 mg/m3; 8 hr 35 ppm (40mg/M3; 1 hr)

USA States

Alabama AL	Hawaii HI	Massachusetts MA	New Mexico NM	South Dakota SD
Alaska AK	Idaho ID	Michigan MI	New York NY	Tennessee TN
Arizona AZ	Illinois IL	Minnesota MN	North Carolina NC	Texas TX
Arkansas AR	Indiana IN	Mississippi MS	North Dakota ND	Utah UT
California CA	Iowa IA	Missouri MO	Ohio OH	Vermont VT
Colorado CO	Kansas KS	Montana MT	Oklahoma OK	Virginia VA
Connecticut CT	Kentucky KY	Nebraska NE	Oregon OR	Washington WA
Delaware DE	Louisiana LA	Nevada NV	Pennsylvania PA	West Virginia WV
Florida FL	Maine ME	New Hampshire NH	Rhode Island RI	Wisconsin WI
Georgia GA	Maryland MD	New Jersey NJ	South Carolina SC	Wyoming WY
District of Columbia DC	District of Puerto Rico PR	US Virgin Islands		

Caribbean and other Islands

Anguilla	Cayman Islands	Jamaica	St Vincent
Antigua & Barbuda	Dominica	Mariana Islands CMNI	Tobago
Barbados	Dominican Republic	Montserrat	Trinidad
Bermuda	Grenada	St Kitts & Nevis	Turks
British Virgin Islands	Guam	St Lucia	Caicos Island

Canada

Alberta	Ontario	Prince Edwards	Yukon
Calgary	London	Quebec	N W Territory
Edmonton	Ottawa	Laval	Nunavut
Manitoba	Sudbury	Montreal	
New Brunswick	Thunder Bay	Quebec City	
Newfoundland	Toronto	Sherbrooke	
Nova Scotia	Toronto Suburbs	Saskatchewan	