# Supplemental Table 1 Assignment of *PeE*

|  |  |
| --- | --- |
| Exposure time | Assignment |
| Once a year | 0.5 |
| Several times a year | 1 |
| Several times a month | 2 |
| Continuous exposure for 2 to 4 h per shift | 6 |
| Continuous exposure for 8 h per shift | 10 |

# Supplemental Table 2 Risk level according to *rr*

|  |  |
| --- | --- |
| *rr* | Assignment |
| ≥400 | unacceptable risk |
| 200~399 | very high risk |
| 70~199 | high risk |
| 20~69 | potential risk |
| <20 | tolerable risk |

# Supplemental Table 3 Value of *WD*

|  |  |
| --- | --- |
| Hazard | *WD* |
| Mild hazard | 1 |
| Moderate hazard | 2 |
| Severe hazard | 3 |
| Extreme hazard | 4 |

# Supplemental Table 4 Value of *WB*

|  |  |
| --- | --- |
| *B* | *WB* |
| *B*≤1 | 0 |
| *B*>1 | *B* |

# Supplemental Table 5 Value of *WL*

|  |  |
| --- | --- |
| Physical workload of workers | *WL* |
| Mild | 1.0 |
| Moderate | 1.5 |
| Severe | 2.0 |
| Extreme | 2.5 |

# Supplemental Table 6 Classification of occupational hazards.

|  |  |
| --- | --- |
| *G* | Classification |
| ≤1 | 0 (relatively harmless operation) |
| 1＜*G*≤6 | Ⅰ (mildly hazardous operation) |
| 6＜*G*≤24 | Ⅱ (moderately hazardous operation) |
| >24 | Ⅲ (Severely hazardous operation) |