Most Frequently Cited Serious Violations

GENERAL INDUSTRY FY 2017

OSHA Federal Standards
October 1, 2016 – September 30, 2017
## Most Frequently Cited Serious Violations in General Industry 2017

<table>
<thead>
<tr>
<th>Violation Description</th>
<th>Citation</th>
<th>Number of Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Communication – Written Program</td>
<td>29 CFR 1910.403(b)(2)</td>
<td>1,527</td>
</tr>
<tr>
<td>Machine Guarding – Types of Guarding Methods</td>
<td>29 CFR 1910.212(a)(1)</td>
<td>1,343</td>
</tr>
<tr>
<td>Hazard Communication – Information and Training</td>
<td>29 CFR 1910.1200(h)(1)</td>
<td>1,238</td>
</tr>
<tr>
<td>Hazardous Energy Control – Procedures Shall Be Developed</td>
<td>29 CFR 1910.147(c)(4)(i)</td>
<td>625</td>
</tr>
<tr>
<td>Respirators – Medical Evaluations</td>
<td>29 CFR 1910.134(e)(1)</td>
<td>608</td>
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<tr>
<td>Respirators – Employer Establishing a Written Respirator Program</td>
<td>29 CFR 1910.134(c)(1)</td>
<td>498</td>
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<tr>
<td>Hazardous Communication – Maintain Copies of SDS’s</td>
<td>29 CFR 1910.1200(g)(8)</td>
<td>465</td>
</tr>
<tr>
<td>Powered Industrial Trucks – Competency Training</td>
<td>29 CFR 1910.178(l)(1)(i)</td>
<td>455</td>
</tr>
<tr>
<td>Electrical – Proper Installation &amp; Use of Equipment</td>
<td>29 CFR 1910.303(b)(2)</td>
<td>409</td>
</tr>
</tbody>
</table>
WALKING/WORKING SURFACES [1910.21 – .30]


NUMBER OF SERIOUS VIOLATIONS – FY 2017

- General – Walking-working surfaces are kept clean: 291
- Fall Protection – Protection from falling 4 feet or more: 207
- Ladders – Rungs are treated as to prevent slipping: 199
- General – Workroom floor kept in a dry condition: 122
- General – Walking-working surfaces are inspected: 81

Number of Serious Violations – FY 2017

- **Exit Route Feature – Free & Unobstructed**
  - 37(a)(3): 285 violations

- **Exit Route Feature – Clearly Visible & Marked**
  - 37(b)(2): 195 violations

- **Exit Route Design – Must Be Able to Open From the Inside**
  - 36(d)(1): 121 violations

- **Exit Route Feature – Signs Posted If Exit Is Not Apparent**
  - 37(b)(4): 81 violations

- **Exit Route Design – Minimum 28 Inches Wide**
  - 36(g)(2): 79 violations
POWERED PLATFORMS, AERIAL LIFTS, AND VEHICLE-MOUNTED WORK PLATFORMS [1910.66 – .68]

- **VEHICLE MOUNTED – PERSONAL FALL ARREST SHALL BE WORN**
  - 67(c)(2)(v)
  - 92

- **VEHICLE MOUNTED – TRAINED PERSONS ONLY**
  - 67(c)(2)(ii)
  - 9

- **VEHICLE MOUNTED – EMPLOYEE SHALL STAND FIRMLY ON BASKET FLOOR**
  - 67(c)(2)(iv)
  - 4

- **VEHICLE MOUNTED – BRAKES SHALL BE SET & OUTRIGGERS POSITIONED**
  - 67(c)(2)(vii)
  - 4

- **MANLIFT – FIXED METAL LADDER ACCESSIBILITY**
  - 68(b)(12)
  - 2

NUMBER OF SERIOUS VIOLATIONS – FY 2017
OCCUPATIONAL HEALTH AND ENVIRONMENTAL CONTROL [1910.94 – .98]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- OCCUPATIONAL NOISE – HEARING CONSERVATION PROGRAM
  - 95(c)(1) 190
- OCCUPATIONAL NOISE – DEVELOP & IMPLEMENT MONITORING PROGRAM
  - 95(d)(1) 94
- OCCUPATIONAL NOISE – TRAIN EACH EMPLOYEE EXPOSED
  - 95(k)(1) 93
- OCCUPATIONAL NOISE – ESTABLISH & MAINTAIN AUDIOMETRIC TESTING PROGRAM
  - 95(g)(1) 80
- OCCUPATIONAL NOISE – CONTROLS SHALL BE USED WHEN EXCEEDING TABLE G-15
  - 95(b)(1) 25
HAZARDOUS MATERIALS [1910.101 – .126]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- **Compressed Gases – Handling Storage and Use**: 97 violations
- **Flammable Liquids – Shall not be dispensed unless bonded & grounded**: 47 violations
- **Spray Finishing – Air velocity for electrostatic spraying**: 43 violations
- **Spray Finishing – Cleaning with non-sparking tools**: 39 violations
- **Spray Finishing – Clear space shall be kept free from storage**: 35 violations
PERSONAL PROTECTIVE EQUIPMENT
[1910.132 – .138]

NUMBER OF SERIOUS VIOLATIONS – FY 2017
GENERAL ENVIRONMENT CONTROLS
[1910.141 – .147]

29 CFR 1910.141 – 147

HAZARDOUS ENERGY CONTROL – PROCEDURES SHALL BE DEVELOPED
147(c)(4)(i)  625

HAZARDOUS ENERGY CONTROL – PERIODIC INSPECTIONS
147(c)(6)(i)  385

HAZARDOUS ENERGY CONTROL – ESTABLISH PROGRAM
147(c)(1)  375

HAZARDOUS ENERGY CONTROL – GENERAL TRAINING
147(c)(7)(i)  288

HAZARDOUS ENERGY CONTROL – APPLICATION OF CONTROLS
147(d)  180

NUMBER OF SERIOUS VIOLATIONS – FY 2017
Medical & First Aid [1910.151 – .152]

Number of Serious Violations – FY 2017

Medical & First Aid – Eye & Body Flushing Facilities Provided
151(c) 388

Medical & First Aid – First Aid Training & Supplies Readily Available
151(b) 36

Medical & First Aid – Medical Personnel Advice & Consultation
151(a) 2
FIRE PROTECTION [1910.155 – .165]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- **157(c)(1)** - Extinguishers – Provided & Readily Accessible: 186
- **157(e)(2)** - Extinguishers – Visual Monthly Inspection: 110
- **157(e)(3)** - Extinguishers – Annual Maintenance Checks: 110
- **157(g)(1)** - Extinguishers – Training Program: 108
- **157(g)(2)** - Extinguishers – Initial & Annual Training: 75
COMPRESSED GAS & COMPRESSED AIR EQUIPMENT [1910.166 – .169]

- **AIR RECEIVERS – PRESSURE GAUGE WITH SPRING LOADED SAFETY VALVE**
  - 169(b)(3)(i)
  - 7

- **AIR RECEIVERS – DRAIN PIPE INSTALLED AT THE LOWEST POINT**
  - 169(b)(2)
  - 2

- **AIR RECEIVERS – SAFETY VALVES SHALL BE TESTED**
  - 169(b)(3)(iv)
  - 2

- **AIR RECEIVERS – NEW RECEIVERS INSTALLED IN ACCORDANCE WITH AMSE 1968**
  - 169(a)(2)(i)
  - 1

NUMBER OF SERIOUS VIOLATIONS – FY 2017
Number of Serious Violations – FY 2017

- **Materials Handling & Storage [1910.176 – .184]**

  - **Powered Industrial Trucks – Competency Training**
    - 178(l)(1)(i) - 455
  - **Powered Industrial Trucks – Refresher Training in Relevant Topics**
    - 178(l)(4)(iii) - 254
  - **Powered Industrial Trucks – Safe Operating Condition**
    - 178(p)(1) - 232
  - **Powered Industrial Trucks – Certification of Training**
    - 178(l)(6) - 225
  - **Powered Industrial Trucks – Shall be Examined Before Placed in Service**
    - 178(q)(7) - 171
Machinery & Machine Guarding
[1910.211 – .219]

Number of Serious Violations – FY 2017

- General Requirements – Types of Guarding Methods: 1343
- General Requirements – Point of Operation: 504
- Abrasive Wheel – Tongue Guards: 273
- Abrasive Wheel – Work Rests: 225
- Power Transmission – Guarding for Pulleys: 208
# Hand and Portable Powered Tools and Other Hand-Held Equipment [1910.241 – .244]

<table>
<thead>
<tr>
<th>Subpart P</th>
<th>Number of Serious Violations – FY 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>242(b)</td>
<td>General – Compressed Air for Cleaning</td>
</tr>
<tr>
<td>243(c)(1)</td>
<td>Guarding of Powered Tools - Abrasive wheels shall be guarded</td>
</tr>
<tr>
<td>243(c)(3)</td>
<td>Guarding of Powered Tools – Vertical portable grinders shall be guarded</td>
</tr>
<tr>
<td>242(a)</td>
<td>General – Condition of tools and equipment</td>
</tr>
<tr>
<td>243(b)(2)</td>
<td>Guarding of Powered Tools – Hoses &amp; connections shall be designed for the pressure</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong> 230</td>
</tr>
</tbody>
</table>

**29 CFR 1910.**
Welding, Cutting, & Brazing [1910.251 – .255]

Number of Serious Violations – FY 2017

- **GAS WELDING & CUTTING – STORED AWAY FROM FUEL-GAS CYLINDERS**
  - 253(b)(4)(iii)
  - 95
- **GENERAL REQUIREMENTS – PROTECTION FROM ARC WELDING RAY**
  - 252(b)(2)(iii)
  - 68
- **GAS WELDING & CUTTING – CYLINDER STORAGE INSIDE BUILDINGS**
  - 253(b)(2)(ii)
  - 33
- **GAS WELDING & CUTTING – STORAGE NEXT TO COMBUSTIBLES**
  - 253(b)(4)(i)
  - 27
- **GAS WELDING & CUTTING – CYLINDER VALVE CLOSURE**
  - 253(b)(2)(iv)
  - 25
SPECIAL INDUSTRIES [1910.261 – .272]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

- **272(j)(1)**
  - Grain Handling – Housekeeping
  - Number: 15

- **272(g)(1)(ii)**
  - Grain Handling – Lockout & Tagging
  - Number: 13

- **272(g)(1)(i)**
  - Grain Handling – Permit shall be issued for entering
  - Number: 12

- **272(j)(1)(ii)**
  - Grain Handling – Shall remove any fugitive grain dust
  - Number: 11

- **272(g)(1)(iii)**
  - Grain Handling – Atmosphere shall be tested
  - Number: 9
Electrical [1910.301 – .399]

Number of Serious Violations – FY 2017

<table>
<thead>
<tr>
<th>Code</th>
<th>Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>303(b)(2)</td>
<td>409</td>
</tr>
<tr>
<td>305(g)(1)(iv)(A)</td>
<td>278</td>
</tr>
<tr>
<td>305(g)(2)(iii)</td>
<td>252</td>
</tr>
<tr>
<td>305(b)(1)(ii)</td>
<td>215</td>
</tr>
<tr>
<td>305(b)(2)(i)</td>
<td>198</td>
</tr>
</tbody>
</table>

- General – Proper Installation & Use of Equipment
- Wiring Methods – Flexible Cords Used as Fixed Wiring
- Wiring Method – Flexible Cord Strain Relief
- Wiring Method – Grounding Permanent & Effective
- Wiring Method – Pull & Junction Box Covers
# COMMERCIAL DIVING OPERATIONS

[1910.401 – .440]

<table>
<thead>
<tr>
<th>Rule Reference</th>
<th>Description</th>
<th>Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>410(a)(1)</td>
<td>Qualifications – Dive team members shall have training or experience</td>
<td>3</td>
</tr>
<tr>
<td>410(a)(3)</td>
<td>Qualifications – Dive team members trained in CPR &amp; first aid</td>
<td>2</td>
</tr>
<tr>
<td>420(a)</td>
<td>Safe Practice Manual – Shall be made available at dive location</td>
<td>2</td>
</tr>
<tr>
<td>421(f)(1)(ii)</td>
<td>Pre-Dive Procedures – Safety Procedures for diving mode</td>
<td>2</td>
</tr>
<tr>
<td>421(g)</td>
<td>Pre-Dive Procedures – Equipment inspection</td>
<td>2</td>
</tr>
</tbody>
</table>

**Number of Serious Violations – FY 2017**
TOXIC AND HAZARDOUS SUBSTANCE
[1910.1000 – .1450]

NUMBER OF SERIOUS VIOLATIONS – FY 2017

<table>
<thead>
<tr>
<th>Clause</th>
<th>Violations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200(e)(1)</td>
<td>1527</td>
</tr>
<tr>
<td>1200(h)(1)</td>
<td>1238</td>
</tr>
<tr>
<td>1200(g)(8)</td>
<td>465</td>
</tr>
<tr>
<td>1200(g)(1)</td>
<td>339</td>
</tr>
<tr>
<td>1200(h)(3)(iv)</td>
<td>191</td>
</tr>
</tbody>
</table>

HAZARDOUS COMMUNICATION – WRITTEN PROGRAM
HAZARDOUS COMMUNICATION – INFORMATION & TRAINING
HAZARDOUS COMMUNICATION – SDS’S READILY ACCESSIBLE
HAZARDOUS COMMUNICATION – SDS’S FOR EACH CHEMICAL
HAZARDOUS COMMUNICATION – DETAILED TRAINING