

APPA Safety Manual
14th Edition
Index of Changes

Key to notations:

(Formerly Section ##) – Indicates changes in Section numbering from 13th Edition.

(CC) – Indicates Content Change within Section.

(New Section) – Indicates an entirely new section in the 14th Edition.

Contents

	DEFINITIONS	1
	INTRODUCTION	21
Section 1	GENERAL RULES	24
101	Application	24
102	Employee's Responsibility for Safety	24
103	Reporting Employee Injuries	24
104	Reporting Hazardous Conditions	25
105	Taking Chances	25
106	Practical Jokes	25
107	Guards	25
108	Warnings	26
109	Intoxicating Beverages and Drugs	26
110	Housekeeping	26
111	Smoking	28
112	Welding and Cutting--General	28
113	Cellular Telephones & Electronic Wireless Communication Devices	31
114	First Aid 32 (Formerly Section 13) (CC)	
	114.1 Introduction	32
	114.2 General	32
	114.3 Wounds and Control of Bleeding	33
	114.4 Shock	36
	114.5 Eye Injuries	37
	114.6 Artificial Respiration--General	37
	114.7 Artificial Respiration--Mouth-to-Mouth (Nose)	38
	114.8 Cardiopulmonary Resuscitation (CPR)	39
115	Training 41 (Formerly Section 14)	
	115.1 Employee Training	41
	115.2 Qualified Employee Training	41
	115.3 Safety Compliance	41
	115.4 Additional Training and Retraining	42
	115.5 Job Briefings	43
	115.6 Pole-Top Rescue	43
	115.7 After Rescue	45
	115.8 Training in Resuscitation and Rescue	45

Section 2	HEALTH AND ENVIRONMENTAL CONTROL	46
201	Confined or Enclosed Spaces	46
202	Hazardous Energy Control/Lockout-Tagout (Refer to Utility Dispatching Policies) 48	(Formerly Section 109)
202.1	Control of Hazardous Energy/Lockout-Tagout	49
202.2	Distribution Switching Procedures	54 (New Section)
202.3	Distribution Substation Load Tap Changing (LTC)	57 (New Section)
202.4	Substation Transformer High Side Protection	57 (New Section)
202.5	Overhead Switching Devices and Equipment	58 (New Section)
202.6	Underground Switching Procedures	59 (New Section)
202.7	Transmission Switching Procedures	60 (New Section)
203	Fall Protection	61 (Formerly Section 117) (CC)
204	Lighting	633
205	Exhaust Ventilation	63
206	Hours of Service	63 (CC)
207	Fire Protection	63 (Formerly Section 5)
207.1	Fire Protection and Emergency Plans	63
207.2	Fire Extinguishers	65
207.3	Hydrants, Standpipes, and Hose Stations	66
207.4	Sprinkler Systems	67
208	Security	67 (New Section)
208.1	General	67
208.2	Personal	68
208.3	Generating Facilities	69
208.4	Emergency	69
Section 3	Chemical and Physical Hazard Control	70
301	Material Handling and Storage	70 (Formerly Section 131 & 624)
302	Explosives	71 (Formerly Section 132)
303	Compressed Gasses	74 (Formerly Section 133)
304	Hazardous Materials	76 (Formerly Section 201 & 1504)
305	Fuels and Lubricants	78 (Formerly Section 1508)
306	Noise	78 (Formerly Section 203)
307	Asbestos	79 (Formerly Section 205)
308	Polychlorinated Biphenyls (PCBs)	81 (Formerly Section 612)
309	Acids and Caustics--Storage	81 (Formerly Section 1009)
310	Acids and Caustics--Handling	82 (Formerly Section 1010)
311	Acids and Caustics--General	83 (Formerly Section 1011)
312	Chlorine	84 (Formerly Section 1012)
313	Lead	84 (Formerly Section 1019)
314	Use of Herbicides and Other Chemicals	85 (Formerly Section 708)
Section 4	Personal Protective Equipment	87
401	Personal Protective Equipment (PPE)	87 (Formerly Section 209)

- 402 Eye and Face Protection 87 (*Formerly Section 115*) (CC)
- 403 Head Protection 88 (*Formerly Section 119*)
- 404 Wearing Apparel 89 (*Formerly Section 120*)
- 405 Clothing 89 (*Formerly Section 114*) (CC)
- 406 Use and Care of Rubber Gloves 93 (*Formerly Section 604*) (CC)
- 407 Supplemental Breathing Equipment 97 (*Formerly Section 116*)
- 408 Life Jackets 98 (*Formerly Section 118*)
- 409 Respirators 98 (*Formerly Section 207*)

- Section 5 Electric Utility Operations 102
- 501 Office Safety 102 (*Formerly Section 12*)
 - 501.1 Office Safety 102
 - 501.2 Video Display Terminals 103
- 502 Warehouse Operations 103 (*Formerly Section 16*)
 - 502.1 General 103
 - 502.2 Shipping and Receiving 104
- 503 Vehicle Operations 105 (*Formerly Section 3*)
 - 503.1 General 105
 - 503.2 Inspection of Equipment 106
 - 503.3 Exhaust Gas 106
 - 503.4 Operation 106
 - 503.5 Parking 107
 - 503.6 Backing 108
 - 503.7 Stopping on the Highway 108
 - 503.8 Hauling Poles or Ladders 109
 - 503.9 Industrial Trucks--Fork Lifts 109
 - 503.10 Cranes, Derricks, Hoisting Equipment 110
 - 503.11 Rigging Equipment 115
 - 503.12 Aerial Devices 116
 - 503.13 Reporting Utility Vehicle Accidents 118
 - 503.14 Portable and Vehicle Mounted Generators 119
- 504 Vehicle Maintenance 120 (*Formerly Section 15*)
 - 504.1 General 120
 - 504.2 Batteries 120
 - 504.3 Hydraulic Systems 120
 - 504.4 Spray Painting 120
 - 504.5 Servicing Multipiece and Single Piece Wheel Rims 122
 - 504.6 Maintenance and Inspection of Fleet Utility Vehicles 122
 - 504.7 Defective Vehicle Tag Out 123 (*Formerly Section 1507*)
- 505 Work Zone Safety (Traffic Control) 123 (*Formerly Section 4*)
 - 505.1 General 123
 - 505.2 Equipment 124
 - 505.3 Flagmen 124
- 506 Tools and Equipment 126
 - 506.1 Hand Tools 126 (*Formerly Section 121*)
 - 506.2 Portable Electric Tools 128 (*Formerly Section 122*)

- 506.3 Pneumatic Tools 129 (*Formerly Section 123*)
- 506.4 Hydraulic Tools 130 (*Formerly Section 124*)
- 506.5 Power Lawn Mowers, Edgers, etc. 130 (*Formerly Section 125*)
- 506.6 Powder-Actuated Tools 131 (*Formerly Section 126*)
- 506.7 Safe Supports and Scaffolds 132 (*Formerly Section 127*)
- 506.8 Ladders--General 133 (*Formerly Section 128*)
- 506.9 Straight Ladders 134 (*Formerly Section 129*)
- 506.10 Step Ladders 134 (*Formerly Section 130*)
- 507 Overhead Distribution and Transmission 135 (*Formerly Section 6*)
 - 507.1 Working On or Near Exposed Energized Lines and Equipment 135 (*Formerly Section 601 & 901*) (CC)
 - 507.2 Flexible Protective Equipment 144
 - 507.3 Climbing and Working on Poles 147 (CC)
 - 507.4 Working on Energized Lines with Live-Line Tools 149
 - 507.5 Working on Energized Lines Barehanded 150
 - 507.6 Working on De-Energized Lines and Equipment 152
 - 507.7 Series Street Lighting Circuits 153
 - 507.8 Working on Transformers 153
 - 507.9 Hoisting Cables--Conductive Material 153
 - 507.10 Working on Capacitors 154
 - 507.11 Stringing or Removing De-Energized Conductors 154
 - 507.12 Stringing Adjacent to Energized Lines 155
 - 507.13 Grounding--General 158 (CC)
 - 507.14 Equal Potential Grounding 160
 - 507.15 Pole Temporary Storage 160
 - 507.16 Setting and Removing Poles 161 (CC)
 - 507.17 Derrick Trucks, Cranes, etc. 168
 - 507.18 Fuses 168
 - 507.19 Rope 169 (CC)
 - 507.20 Substations 169
 - 507.21 Metering 171
 - 507.22 Testing and Test Facilities 172
 - 507.23 Hazardous Energy Control 174
- 508 Tree Trimming 176 (*Formerly Section 7*)
 - 508.1 General 176 (CC)
 - 508.2 Working Near Energized Conductors 179
 - 508.3 Tree Felling 180
 - 508.4 Care and Use of Tools and Rope 181
 - 508.5 Powered Trimming Equipment 182
 - 508.6 Chippers 184
 - 508.7 Right-of-Way Clearing and Maintenance 184
- 509 Underground Lines and Equipment 185 (*Formerly Section 8 & 9*)
 - 509.1 Opening and Guarding Holes 185 (*Formerly Section 801*)
 - 509.2 Entering Underground Structures 185 (*Formerly Section 802*)
 - 509.3 Work on Energized Cables 187 (*Formerly Section 803*)
 - 509.4 Work on Energized Equipment 191 (*Formerly Section 906*)

	509.5	Work on De-Energized Cables	192	<i>(Formerly Section 804)</i>
	509.6	Opening and Closing Circuits	193	<i>(Formerly Section 903)</i>
	509.7	Grounding	193	<i>(Formerly Section 904)</i>
	509.8	Heating Materials	194	<i>(Formerly Section 807)</i>
	509.9	Rubber Glove Use	195	<i>(Formerly Section 905)</i>
	509.10	Excavations	195	<i>(Formerly Section 907)</i>
	509.11	Directional Boring Operations	200	<i>(Formerly Section 908)</i>
	509.12	Pulling Cables	207	<i>(Formerly Section 805)</i>
	509.13	Moving Energized Cables	207	<i>(Formerly Section 806)</i>
510		Generating Stations	208	<i>(Formerly Section 10)</i>
	510.1	General	208	
	510.2	Entering Confined Spaces	210	
	510.3	Boiler Plant	211	
	510.4	Boiler and Pressure Vessel Chemical Cleaning	214	
	510.5	Turbine Generators	214	
	510.6	Gantry Cranes	215	
	510.7	Process Safety	215	
	510.8	Hydrogen Cooling Systems	216	
	510.9	Coal Handling--Railway Operations	217	
	510.10	Barges, Boats, and Docks	219	
	510.11	Car Shakers and Dumpers	219	
	510.12	Conveyors and Crushers	220	
	510.13	Coal Storage	220	
	510.14	Hydro Stations	221	
	510.15	Hazardous Energy Control	222	
511		Communication Facilities	226	<i>(Formerly Section 11)</i>
	511.1	Fiber-Optic Systems	226	
	511.2	Radio Frequency Radiation	229	
		Index	235	