

INDEX

Absolute Liability, 1
Accidents, 4, 74
Air Blast, 11, 160, 162
Air Gap, 22, 198
Ammonia Nitrate, 30, 139
 Utility & Light Construction, 142
Animal Carcass Removal, 195
Avalanche Blasting, 167
Avalauncher, 179

Blast Area Security, 3
Bench Blasting, 125
Blast Design, 119
Blaster, 9
Blaster-In-Charge, 6, 14
Blasting Control, 127
Blasting Inspector, 7
Blasting Mats, 155
Blasting Officer, 5
 Chief Park Blaster, 6
 DSC, 5
 NPS, 5
 Regional, 5
Blasting Records, 3, 15
Blasting Review Board, 14
Boulder Breaking, 148
Borehole Coupling, 116
Burden Spacing, 115
Burnol Backfiring Devices, 194

Cap Sensitivity, 22
Certification, 10
Charge Distribution, 126
Chief Park Blaster, 6
Combustibles, 21
Components, 89
Contracting, 2, 14
Control Unit Hookup, 189
Converging Shock Wave Principle, 149
Conveyor Belting Blasting Mats, 143

Delay Patterns, 114
Delay Primers, 110
Density, 25

Detaline Detonating Cord, 104
Detonation & Borehole Pressure, 26
Detonating Cord, 36, 95, 101
Disposal, 4
Drilling, 96, 123, 125

Electric Blasting Caps, 35, 90, 185
 Ditch Line Shooting, 138
 Light Construction, 134
 Pits, Lagoons, Lift Stations, Swimming
 Pools, Basements, 138
Electric Blasting Circuits, 91
Emergency Signals, 74
Emulsions, 184
Expanding Grout, 199
Expansion Alternatives, 199
Exploding Bridgewire Detonators, 35, 95, 186
Explosives
 Classes, 40
 Destruction, 157
 Disposal, 158
 Economics, 116
 Handler, 7
 Instructor, 7,8
 Properties & Bases, 24
 Selection, 34
 Theory, 21
 Use, 3

Federal Regulations, 1
Fireline Explosives, 181
Firing, 98
Firing Module, 183, 189
Fracture Mechanism, 200
Fume, 26, 32

Gas Release, 32
General Properties, 33
General Requirements, 1

Hole Patterns, 113
High Explosives, 29
Howitzer Weapons, 174, 175

IME Containers, 66
Initiating Devices, 35

Inspection, 9, 41, 87
Inspector, 8
Instructor, 7, 8
Inventory, 3, 53

Lead Wire, 183
Lifters & Snakeholes, 126
Loading, 97
Low Explosives, 27

Magazines, 39
 Construction, 42
 Operator, 7
Military Weapons, 176
Misfire Procedures, 191

Non-NPS Users, 4
Non-Electric Initiation Systems, 105
Non-Detonating Rock Breaking, 196
Nonel Cords, 37, 105

Parking, 61
Pentolite, 32
Personnel, 4
Permissibles, 26
PETN, 32, 182
Pit Shooting, 146
Pole Hole Shooting, 146, 154
Post Fire Procedures, 189
Powder Factor, 115
Primers, 37, 93
Priming Charge, 107
Properties of Explosives, 24

RDX, 32
Records, 3, 15
Routes, 61

Safety, 8, 165, 172, 185
Safety Fuse, 101
Secondary Blasting, 125
Security, 3, 85
Selection, 32
Sensitivity, 32
Sequential Blasting, 155

Shelf Life, 26
Shock Energy, 129
Shock Wave, 23
Signal Systems, 86
Signing, 85
Snow Work, 171
Specialties, 3
Specification for Contracts, 14
Splicing, 92
Storage, 2, 39, 43, 55
Stump Shooting, 149

Theory of Explosives, 21
Tools, 17
Trainee, 7
Training, 2, 8, 9
Transportation, 2
 By Aircraft, 77
 By Vessel, 76
 Class C Detonators, 65
 Motor Vehicle, 57
 With Pack Stock, 75
 With Trail Vehicles and ATV's, 76
Tree Felling, 150
Trenching, 126, 144, 146
Two Components, 29

Use & Handling, 3

Vibration, 162
Vehicle Requirements, 63
Velocity, 30, 32
 Detonation, 22

Water Gel, 183
Water Resistance, 26, 32
Wiring, 97