

INDEX

- a_w, definition, 3
- Access
 - allowed after due notice, 206
 - application for inspection order, 206
 - court petition for, 234-235
 - denial, judicial remedies, 233
 - denied, sworn statement, 235
 - notification of right, 206
 - owner agreement, 196, 206
 - refusal, 206
 - to premises and records, 219, 234
- Accuracy, 109-110
- Acidity. *See pH*, 14
- Accreditation
 - definition, 2
 - equipment certification program, 119
 - manager certification program, 28
- Acknowledgments, *Preface xii*
- Additive, food and color
 - definition, 2
 - food upon receipt, 55
 - limitations, 90, 186-187
 - sulfites, 66
 - unapproved, protection from, 66
- Administrative remedies, 220-234
 - hearing officer's powers, 231-233
- Adulterated
 - definition, 2
 - food condition, 49
 - US Code, *See References Annex*, 240-242
- Air-drying
 - equipment and utensils, 143
 - wiping cloths, locations, 143
- Air filtration, 157
- Air gap. *See Backflow Prevention, Plumbing System*
- Air temperature, 83-84, 115
 - See also Ambient temperature measuring devices*
- Aisles in work spaces. *See Spacing*
- Alkalinity. *See pH*
- Allegation of fact, response to hearing notice, 226
- Allergen.
 - latex,
see Major food allergen
- Alligator. *See Fish*
- Ambient temperature measuring devices, 110
- Animal foods, raw
 - consumer self-service, limitations, 73
 - cooking requirements, 74-79
 - separation from other foods, 64-66
- Animal foods, raw or undercooked, consumer advisory, 97-98
- Animals
 - commercially raised for food, 52-54, 74-75
 - exotic species, limitations as food source, 53
 - game, 52-54, 74
 - handling by employees, prohibition and exception, 48
 - handwashing after handling, 44
 - live, prohibition and exceptions, 181-182
 - wild game, 54, 75
- Anti-slip floor coverings, 168
- Americans with Disabilities Act
 - guidance, *see Annex 2-3*
 - managing ill employees, *see Annex 3*
- Appeal
 - denial of application for operating permit, 201
 - dismissal, hearing officer's powers, 232
 - proceeding, timeliness, 227-228
 - restriction or exclusion order, 212
 - right to, acceptance of consent agreement as waiver, 234
- Applicant for permit to operate food establishment
 - information required, 198-200
 - qualifications, 198
- Applicant, responsibility to report illness, 202-203
- Application for operating permit
 - notice of denial, 201
 - procedure, 198-200
- Application of Code
 - prevention of health hazards, 192
 - public health protection, 191-192
- Approved, definition, 2
- Area
 - adjacent to easily movable equipment, 6
 - behind vending machine kickplates, 109
 - Code subject, *Preface xi*
 - consumer eating and drinking, 170, 181-182
 - consumer shopping, 125, 163, 170, 182
 - designated for eating, drinking, and tobacco use, 47, 177
 - dining, 145, 182
 - distressed merchandise, 178
 - dressings, 176, 180
 - driving, 168, 173
 - dry storage, 170
 - exposed, 170
 - food preparation, 168-171, 181-182
 - food protection, *Preface ii-iii*
 - handwashing, sink, 152-153, 169
 - indoor, construction material, 167-168
 - Inspection order access. *See Compliance and Enforcement Annex, contents of order*, 220-221, 235-236
 - light intensity by, 176
 - living, 174
 - outdoor, construction materials, 168
 - outside fenced, 182
 - poisonous or toxic materials, 181-188
 - prohibited food storage, 71
 - protected for tank vent, 156

- refuse, 161, 163, 165
- registration for bed and breakfast, 9
- requiring drip-free ventilation, 110
- self-service, 30
- separate, for raw foods, 64-65
- servicing, 167, 173-174
- shellfish harvesting, 57-58
- sleeping, 174
- storage, 161-164, 176-178, 184
- underneath equipment for cleaning, 124
- underneath fingernails, cleaning, 43
- unaffected by imminent health hazard, 209
- vending machine, 24, 173
- walking, 168, 173, 182
- warewashing, 169-170, 184
- waste servicing, 160
- where unnecessary persons are not allowed, 28-29
- Artificial color or flavor, declaration, 96-97
- Assessment of statutory provisions, recommendation, *See Compliance and Enforcement Annex*, 213
- Asymptomatic carrier, 34-41
- Asymptomatic, definition, 3
- Attachments, wall and ceilings, cleanability, 170
- Authorities, enforcement, 216, 236
- Authority, PHS model codes, *Preface ii-iii*
- Authorization, settlement, 234
- Automatic shutoff, vending machines, 114-115
- Backflow prevention, plumbing system
 - air gap, 151
 - carbonator, 153
 - knowledge of person in charge, 27
 - sewage systems, 159-161
 - water system operation, 149
- Backflow prevention device, plumbing system
 - carbonator, 153
 - copper, use limitation, 105
 - design standard, 151
 - location, 153
 - numbers and capacity, 152-153
 - operation and maintenance, 153
- Backsiphonage. *See Backflow*
- Bacon, slab, storage, 65
- Bacteria. *See Disease outbreaks caused by*
- Baffles, internal, for warewashing machine, 116
- Bags. *See Single-service articles*
- Bait
 - fish, 182
 - station, 188
- Bakery products, 97
- Balut, definition, 3
- Basket, for warewashing equipment, 116-117, 136-137
- Bearings and gear boxes, leakproof, 113
- Bed and Breakfast. *See Food establishment definition*
- Beef
 - consumer self-service, 73
 - cooking requirement, 74-77
 - grinding logs, *see Annex 2-3*
 - minimum holding times for cooking, 74-77
 - oven parameters for cooking, 73
 - rare or raw, consumer advisory, 97-98
 - raw, storage, 64-65
 - use of clean equipment, 132-135
 - use of laundered gloves, 141
 - whole-muscle, intact, definition, 24
 - whole-muscle, intact steak, cooking, 76
- Beef roasts, cooking requirements, 75-76
- Beverage
 - containers, consumer-owned, refilling, 139
 - definition, 3
 - tubing, separation from stored ice, 113
 - vending machines, liquid waste disposal, 118
- Birds, dead or trapped, removal, 181
- Boil. *See Lesion, containing pus*
- Boiler water additives, criteria, 186
- Bottled drinking water, definition, 3
 - source, 148
- Botulism. *See Clostridium botulinum*
- Bowls. *See Hollowware*
- Bread wrappers. *See Single-use articles*
- Buffets, monitoring by food employees, 73
- Buildings. *See Physical facilities*
- Bulk food
 - dispensing methods, 73
 - display, protection, 72
 - labeling requirements, 96-97
 - liquid, vended, 118
 - raw animal food, prohibition, 73
 - unpackaged, labeling exemptions, 97
- Bulk milk container dispensing tube, 131
- Cabinets
 - storage, 123, 145, 157, 182
 - vending machine, 119
- Calibration, temperature measuring devices, 131
- Can openers
 - design and construction, 109
 - maintenance and operation, 125
 - on vending machines, design and construction, 113
- Cans, number 10. *See Single-use articles*
- Canthaxanthin, 96
- Carbonator, 153
- Cardboard for recycling, outside storage, 164
- Carpeting, floor, restrictions and installation, 169
- Carrier, disease. *See Asymptomatic carrier*
- Carry-out utensils. *See Single-service articles*
- Case lot handling equipment, moveability, 118-119
- Casing
 - definition, 3
 - date marking, 87
- Cast iron utensils and equipment food-contact surfaces,
 - use limitation, 104
- Catering operation. *See Food establishment*
- Catsup bottles. *See Single-use articles*
- Ceiling, ceiling coverings, and coatings, cleanability, 168-170
- Ceramic utensils, lead limitation, 104

Certification number, definition, 3
CFR, definition, 3
Cheese
 datemarking, 87
 ROP, 94-95
Chemicals
 preservatives, declaration, 96
 sanitization of equipment food-contact surfaces and utensils, 140-141
 sanitizers, criteria, 186
 washing fruits and vegetables, criteria, 186
 working containers, of, 183
Chicken, raw, immersion in ice or water, 67
Children's menu, 77
China utensils, lead imitation, 104
Chlorine solutions, chemical sanitization, 129-130
CIP
 definition, 3
 equipment, design and construction, 108
Civil penalty, hearing officer's powers, 231-232
Civil proceedings, petitions, penalties, and continuing violations, 237
Clams, lightly cooked or raw, consumer advisory, 76-77, 97-98
 See also Molluscan shellfish; Fish
Cleanability
 carpeting, 168-170
 ceilings, 168-170
 floor and wall junctures, 169
 floors, 168-170
 food-contact surfaces, 107-108
 mats and duckboards, 169
 nonfood-contact surfaces, 109
 studs, joists, and rafters, 170
 utility lines, 168-169
 wall and ceiling attachments, 170
 wall and ceiling coverings and coatings, 170
 walls, 168-170
Cleanable fixtures, plumbing system, 150-151
Cleaned in place. *See CIP*
Cleaners. *See Poisonous or toxic materials*
Cleaning agents
 handwashing, 174
 warewashing equipment, 127
Cleaning and sanitizing
 equipment and supplies for reuse, recyclables, and returnables, 161-166
 equipment and utensils to prevent food cross contamination, 132-141
 knowledge demonstrated by person in charge, 26-28
 maintenance tools, preventing contamination, 179
 physical facilities, frequency and restrictions, 178
 procedure for employees' hands and arms, 43-44
 ventilation systems, nuisance and discharge prohibition, 179
Cleaning of equipment and utensils
 criteria, 132
 frequency, 132-135
 methods, 136-139
Cleanliness, personal, of employees
 fingernails, 43, 46
 hands and arms, 43-47
 jewelry, prohibition, 46
 outer clothing, 47
Closed hearing, justification, 229
Clostridium botulinum, nongrowth in reduced, atmosphere packaging, variance, 91-95
 See also Potentially hazardous food definition
Clothes washers and dryer
 availability, 122
 location for contamination prevention, 123-124
Clothing, outer, of employees, clean condition, 47
Cloths
 for use with raw foods of animal origin treatment, 68-69
 for wiping food spills, criteria, 68-69
Code
 Adoption, certified copies, *Preface viii*
 applicability, 191-193
 conformance with history, role in frequency of inspections, 205-206
Code of Federal Regulations. *See "CFR definition"*
Cold holding of potentially hazardous food, 82-85
Cold-plate beverage cooling devices, separation from stored ice, design, and construction, 113
Color additive, definition, 2
Commingle, definition, 4
Comminuted, definition, 4
 cooking fish and meats, 74-75
Commissary. *See Food establishment definition*
Common name, 65
Communicable. *See infectious agent*
Community or individual facility for disposal of refuse, recyclables, and returnables, 166
Compactors, on-site, 162
Compliance and Enforcement Annex
 explanation, *Compliance & Enforcement*, 213-214
 principle, *Compliance & Enforcement*, 214
 purpose, *Compliance & Enforcement*, 213
 recommendation, *Compliance & Enforcement*, 214-215
Compliance with Code, responsibility of permit holder, 193, 198
Condenser unit, separation from food and food storage space, 113
Condiments, protection from contamination by consumers, 72
Conditional employee
 definition, 4
 responsibilities, 31-34
Conditioning device, plumbing system
 design, 151
 location, 153

- Confidentiality
 - hearings, 229
 - protection, 197
- Confirmed disease outbreak, definition, 4
- Consent agreement
 - approval by hearing officer, 230
 - request, response to hearing notice, 226, 234
 - respondent acceptance as waiver of right to appeal, 234
- Constitutional protection, procedural safeguards and judicial review, 215
- Construction
 - food establishment, plans and specifications requirement, 194-197. *See also Public Health Reasons Annex, 498-499*
 - inspection and approval, 197
 - mobile water tank and mobile food establishment water tank, 156
 - plumbing system, 150-152
- Consumer
 - advisory for raw or undercooked animal foods, 97-98
 - definition, 4
 - expectations for food supply, *Preface iv*
 - food on display, protection from contamination by, 72
 - information requirements, 95-97
 - self-service, clean tableware for refills, 70
 - self-service operations, protection from contamination, 70
- Consumer-owned container, refilling, 68, 139
- Consumers at risk, advisory for fully cooked animal foods, 97-98
- Contact time, chemical sanitization of equipment food-contact surfaces and utensils, 140-141
- Container prohibitions for poisonous or toxic materials, 186
- Containers
 - food storage, common name identification, 65
 - poisonous or toxic materials
 - labeling and identification, 183
 - use prohibition, 185
 - working, common name identification, 183

See also Single-service articles
- Contaminated food, disposition, 98-99
- Contamination of food after receiving, prevention, 64-77
- Contamination prevention, location of equipment, clothes washer/dryers, and storage cabinets, 123-124
- Contents
 - court petition, 235
 - hearing notice, 228-229
 - required, response to hearing notice, 226
- Control of foodborne disease transmission by employees, 211-212
- Controlled atmosphere packaging. *See Reduced oxygen packaging*
- Conversion of food establishment, plans and specifications, requirement, 194-195
See also Public Health Reasons Annex, 498-499
- Cook-chill packaging. *See Reduced Oxygen Packaging*
- Cooking
 - equipment, cleaning frequency, 136
 - destroying organisms of public health concern, 74-77
 - requirements for raw animal foods, variance, 77
 - utensils. *See Kitchenware*
- Cooling
 - capacity, food equipment, 120
 - methods to limit growth of organisms of public health concern, 84
 - potentially hazardous cooked food, 83-84
- Copper and copper alloys, use limitation in food contact and fittings, 105
- Core item, definition, 4
- Core item violation, time frame for correction, 209
- Corned beef roasts
 - minimum holding times for cooking, 73-74
 - oven parameters for cooking, 73
- Correction of critical violation
 - time frame, 208
 - timeliness, 210
 - verification and documentation, 210
- Corrective action
 - compliance, 202-203
 - failure to demonstrate compliance, 207-208
- Corrosion-resistant material, definition, 4-5
- Cosmetics. *See Personal care items*
- Counter guards. *See Food display*
- Counter-mounted equipment
 - definition, 5
 - elevation, 124-125
- Court petition
 - for access, contents, 234-235
 - injunction, 237
 - penalties, 237
- Criminal proceedings
 - authorities, methods, fines, and sentences, 236-237
 - misdemeanor, 236
- Critical control points
 - definition, 5
 - flow diagram, 196
 - knowledge demonstration by person in charge, 26-28
 - monitoring, responsibility of permit holder, 202-205
 - standard operating procedures, 196

See also Annex 4, 489
- Critical limit
 - definition, 5
 - nonconformance documentation, 207-208
 - violations, timely corrections, 210
- Cross connection, water supply system, prohibition, 154

- Cross contamination of food protection by separation and segregation, 64-65
- Crustacea shells, use limitation, 131
- Crystal utensils, lead limitation, 104
- Cups, refilling in consumer self-service, 70
See also Hollowware
- Cut, infected. *See Lesion, containing pus*
- Cut leafy greens
as PHF/TCS food, 15
definition, 5
- Cutting surfaces
materials, 105-106
resurfacing, 126
- Data plate, warewashing machine, 110
- Date marking of ready-to-eat, potentially hazardous food, 85-87. *See also Public Health Reasons Annex, 414-419; Model Forms, Guides, and Other Aids Annex 7, Chart 4-C*
- Dealer's tag/label for molluscan shellstock requirements, 57-58
- Decision by hearing officer, 230-232
- Deli tissue, use to avoid contaminating food, 61
- Demonstration of knowledge. *See Person in Charge; Supervision*
- Denial of access, sworn statement, 235
- Denial of application for operating permit, notice, 225-226
- Design, construction, and installation
equipment and utensils
acceptability, 119
accuracy, 109-110
cleanability, 107-108
durability and strength, 107
functionality, 110
physical facilities
cleanability, 168-170
functionality, 170-174
mobile water tank and mobile food establishment water tank, 155-158
plumbing system, 150-155
sewage system, 159-160, 166
- Design standard, backflow prevention device, 151
- Destroying or denaturing food by hold order, 223
- Detergents. *See Cleaning agents*
- Detergent-sanitizers
for warewashing equipment, 130
rinsing procedures, 137-138
- Deviations from code
documentation, 207-208
See also Modifications; Variance; Waivers;
- Devices. *See Physical facilities*
- Diarrhea, employee symptom, 31
- Dipper wells. *See Utensils, in-use storage*
- Disease of employee, 31-42. *See also Public Health Reasons Annex, 331-343*
- Disease or medical condition, reporting responsibility, 31-34
See also Public Health Reasons Annex, 331-343
- Disease outbreaks caused by Norovirus, **S. Typhi**, **Shigella** spp., Enterohemorrhagic or Shiga producing **E. coli**, or hepatitis A virus, 32-33. *See also Public Health Reasons Annex, 337-341*
- Dish basket. *See Basket*
- Dishes. *See Tableware*
- Dishwashing. *See Warewashing*
- Disinfection
drinking water system, 148
mobile water tank and mobile food establishment water tank, 157-158
- Dispensing equipment, design and construction for protection of equipment and food, 111-112
- Dispensing tube, bulk milk container, 131
- Display. *See Food display*
- Disposable towels, waste receptacle, 162
- Disposal facilities
refuse, recyclables, and returnables, 161-166
sewage, other liquid wastes, and rainwater 157-161
- Disposition of ready-to-eat, potentially hazardous food, 88. *See also Public Health Reasons Annex, 414-419; Model Forms, Guides, and Other Aids Annex, Chart 4-C*
- Distressed merchandise, segregation and location, 178
- Documentation
correction of critical violation, 210
freezing for parasites, 79
inspection report, 208-209
ROP, 91-95
variances, 191-193
- Dogs in food establishments
patrol and sentry, 182
pets, 181-182
service, 181-182
- Dollies. *See Case lot handling equipment*
- Doors
pets in common dining area of group residence, 181-182
equipment maintenance, 125-126
physical facility, 172-174
refuse receptacle, 161-164
toilet room, 180
vending machine, 114, 118-119
- Drain plugs for equipment and receptacles for refuse, recyclables, and returnables, 165
- Drainage of equipment compartments, 118
- Drainage system, food establishment, design and installation, 159
- Drainboards
capacity, 121
cleaning frequency, 126

- cleanability, 107-109
 - warewashing, self-draining, 118
- Drains, indirect, 159
 - walk-in refrigerators, 159
- Dressing areas
 - designation, 177
 - use by employees, 180
- Dried eggs, condition at receipt, 55
- Drinking by employees, food contamination prevention, 47
- Drinking water
 - bottled, source, 148
 - definition, 5
- Drinking water systems
 - approved, 147
 - flushing and disinfection, 148
- Drip prevention, design and construction of ventilation hood systems, 110
- Driving surfaces. *See Surface characteristics, outdoor*
- Dry cleaning methods, equipment and utensils, 136
- Dry eggs, 55
- Dry milk, 55
- Dry storage area, definition, 5
- Drying agents, criteria, 186-187
- Duckboards, cleanability, 167-168
- Due process rights, 215
- Dustless methods of cleaning floors, 179

- Easily cleanable, definition, 6
- Easily movable, definition, 6
- Eating by employees, food contamination prevention, 47
- Effective date of Code, 191-192
- Egg
 - boiled, *See Potentially hazardous food definition*
 - cooking requirements, 74-77, 99-102
 - definition, 6
 - lightly cooked or raw, consumer advisory, 97-98
 - liquid, frozen, and dry, condition at receipt, 55
 - pasteurized, substitute for shell eggs, 65-66, 99-102
 - pooling, 65-68, 72-74, 99-102
 - potentially hazardous food, 15-17
 - restricted definition, 21
 - service to highly susceptible populations, 99-102
- Egg product, definition, 7
- Eggs, raw, shell
 - condition at receipt, 55
 - cooling, 83-84
 - labeling, 51
 - temperature at receipt, 54
- Elderly. *See Highly susceptible population*
- Emergency occurrence. *See Imminent health hazard*
- Employee
 - accommodations, location, 177-178
 - definition, 7
 - disease or medical condition, 30-42
 - dressing areas, number, 177
 - eating, drink, and tobacco use, designated areas, 47
 - food contaminated by, disposition, 98-99
 - hygiene, 47-48
 - ill, exclusions and restrictions, 34-42
 - practices, supervision of, 28-42
 - prevention of food contamination, 61-63
 - responsibility to report illness, 31-34
 - serving high-risk populations, exclusions and restrictions, 34-42. *See also Food employee; Permit holder; Person in charge*
- Emu. *See Ratites*
- Enclosures for refuse, recyclables, and returnables, operation and maintenance, 161-164
- Enforcement. *See Compliance and Enforcement Annex*
- Enforcement proceedings
 - institution, 217
 - judicial, 234-236
 - methods, 236
- Enterohemorrhagic definition, 7
- EPA, definition, 7
- Equipment
 - air-drying, 143
 - assessment for Code enforcement, 191-192
 - case lot handling, 118-119
 - cleaning criteria, 132
 - cleaning frequency
 - food-contact surfaces/utensils, 132-135
 - nonfood-contact surfaces, 133
 - warewashing, 126
 - compartments, drainage, 118
 - cooling, heating, and holding capacities, 120
 - definition, 7
 - design and construction, durability and strength, 107
 - existing, 191-192, 202-203
 - fixed, elevation or sealing, installation, 124-125
 - fixed, spacing or sealing, installation, 124
 - food-contact surfaces and utensils, cleaning frequency, 132-136
 - HACCP plan, 195-197
 - location for contamination prevention, 123-124
 - maintenance, 125
 - necessary replacement, 202-203
 - plans, 194-195
 - reassembly after cleaning, 144-145
 - repair and adjustment, 125
 - storage, 181
 - storage prohibitions, 144-145
- Equipment certification and classification, 119
- Equipment and utensils, dry cleaning methods, 136
 - precleaning, 136
 - rinsing procedures, 137-138
- Equipment openings, closures and deflectors, design and construction, 110-111

- Equipment, utensils, and linens
 - cleaning, 132-139
 - design and construction, 107-119
 - laundering lines, 141-142
 - location and installation, 123-125
 - maintenance and operation, 125-131
 - materials for construction and repair, 103-107
 - numbers and capacities, 120-123
 - protection of clean items, 143-146
 - sanitization of equipment and utensils, 140-141
 - See also Physical facilities*
- Escargot. *See Fish*
- Evidence at hearing
 - documentary, 220
 - excluded, 233
 - regulatory authority presentation, 233
 - written, 233
- Exclude, definition, 7
- Exclusion of employee
 - illness, 34-36
 - infection or disease, 34-36
 - release, 36-42, 212
 - removal, 36-42, 212
- Exclusion order
 - for infected or diseased employee, 212
 - service, 217-218
- Expiration time for potentially hazardous food, 85-90
 - See also Public Health Reasons Annex, 414-419; Model Forms, Guides, and Other Aids Annex, Chart 4-C*
- Exposure, 31-33
- Facilities
 - assessment for Code enforcement, 191-192
 - disposal, recycling, and refilling of waste, 166
 - necessary replacement, 203
 - on-premises for refuse, recyclables, and returnables, 161-163
- Facility plans and specifications, submission and approval, 194-195
- Faucet, handwashing sink, 151
- Fee for operating permit, issuance criteria, 198
- Fees, civil proceeding
 - enforcement and collection, 237
 - hearing officer's powers, 230-231
- Fever with sore throat, employee symptom, 31
- Filter, compressed air, for drinking water system, 157
- Filtering equipment, hot oil, design and construction, 109
- Final order, rendering by hearing officer, 231-232
- Fines, criminal proceeding, 236-237
 - civil proceeding, 237
- Fingernails
 - artificial, prohibition, 46
 - of employees, maintenance, 46
- First aid supplies in food establishments, storage; *See also Personal care items*
- Fish
 - consumer self-service, 73
 - cooking requirements, 74-77
 - definition, 8
 - frozen by supplier, freezing records, 80
 - other than molluscan shellfish, 50, 79
 - raw, storage, 64-65
 - recreationally caught, 51-52; *See also Public Health Reasons, 374*
 - use of clean equipment, 132; *See also Public Health Reasons Annex, 465-466*
 - use of laundered gloves, 142
- Fish, lightly cooked or raw
 - aquacultured
 - consumer advisory, 97-98
 - freezing to control parasites, 79
 - immersion in ice or water, 67
 - restriction on reduced oxygen packaging, 93
- Fitting or tubing, copper and copper alloys, use limitation, 105
- Fixtures. *See Physical facilities*
- Flatware. *See Tableware*
- Floor drains, cleanability, 169
- Floor-mounted equipment, clearance, 124
- Floors
 - absorbent materials, use limitation, 180
 - and floor coverings, cleanability, 168-170
 - dustless cleaning methods, 179
- Flow pressure valve, warewashing machine, 117
- Flushing
 - drinking water system, 148
 - mobile water tank and mobile food establishment water tank, 157-158
 - waste retention tanks, 160
- Flux, use limitation for food-contact surfaces, 104
- Fogging devices, cleaning the water reservoir, 154-155
- Food
 - additives, 55, 66, 90, 186-187
 - characteristics, 49
 - contact with equipment and utensils, 67
 - contaminated, 98-99
 - cooked, potentially hazardous, cooling, 83-84
 - damaged, spoiled, or recalled, storage, 64
 - definition, 8
 - destroying or denaturing, 223
 - destruction of organisms of public health concern, 74-77
 - examining, sampling, and testing, 223
 - frozen, potentially hazardous, 55, 82
 - hermetically sealed, source, 51
 - honest presentation, 1, 95, 191
 - identity, presentation, and on-premises labeling, 50-51, 95
 - in contact with water or ice, storage or display, 67
 - limitation of growth of organisms of public health concern, 82-90
 - official tagging, 222
 - packaged and unpackaged, separation, packaging and segregation, 64-65
 - packaged, labeling, 50-51, 93-94
 - protection for contamination, 61-73

- releasing from hold order, 223
- removal, justification, 221
- restrictions on using or moving
 - hold order, 222-223
- specialized preparation methods, variance
 - requirement, 77, 90, 113-114, 192-193, 195
- standards of identity, 95
- temperature and time control, limiting growth
 - of organisms of public health concern, 82-95
- vended, potentially hazardous, original
 - container, 72
- Food, potentially hazardous
 - guidance, *see Annex 2-3*
 - HACCP plan, 195-197
 - hot and cold holding, 85, Annex 3, 398-401
 - preparation, application for permit, 197-200
 - temperature at receipt, 54-55
 - time as public health control, 88-90
- Food, ready-to-eat, potentially hazardous
 - date marking, 85-87
 - disposition, 88
 - See also Public Health Reasons Annex, 414-419; Model Forms, Guides, and Other Aids Annex, Chart 4-C*
- Food Allergy, awareness, 30; *See also Public Health Reasons Annex, 327*
- Food bank. *See Food establishment*
- Food cart. *See Food establishment, definition, mobile; Model Forms, Guides, and Other Aids Annex, Chart 4-C*
- Food bank. *See Food establishment*
- Food cart. *See Food establishment, definition, mobile*
- Food Code
 - conventions, *Preface xi*
 - improvements, *Preface v-vi*
 - intent, 1
 - interventions, *Preface i-ii*
 - revision process, *Preface xi-xii*
 - safeguards, *Preface iv-v*
 - scope, statement, 1
 - standards, 1
 - title, 1
- Food codes, previous editions, *ii-iv, Preface iii*
- Food contact, copper, use limitation, 105
- Food-contact surface
 - assessment for Code enforcement, 191-192
 - cast iron equipment, use limitation, 104
 - construction materials, 103-104
 - copper, use limitation, 105
 - cleaning criteria, 132
 - cleaning frequency of equipment, 132-135
 - definition, 8
 - design and construction, cleanability, 107-108
 - galvanized metal equipment, use limitation, 105
 - lead, use limitation, 104
 - linens and napkins, use limitation, 68
 - lubricating, 143
 - sanitization criteria, 140
 - sanitization frequency, 140
 - sanitization methods for equipment, 140-141
 - "V" threads, use limitation, 108
 - wet cleaning methods for equipment, 137
 - wood, use limitation, 105-106
- Food containers
 - placement in cooling or cold holding
 - equipment, 84
- Food contamination
 - by persons, discarding, 98-99
 - by unclean utensils and equipment, 67
 - prevention after receiving, 61-63
 - prevention by employees, 61-63
- Food defense
 - guidance, *see Annex 2-4*
- Food display, preventing contamination by
 - consumers, 72-73
- Food employee
 - definition, 8
 - responsibility to report illness, 31-34
- Food establishment
 - definition, 8-9
 - identity information, 198-200
 - inspection, frequency, 204-206
 - permit to operate, 197-203
 - plans and specifications for construction,
 - conversion, or remodeling, 199
 - See also Public Health Reasons Annex, 498-499*
 - temporary, inspection frequency, 205
- Food guards. *See Food display*
- Food management, plans, 193-197
- Food package integrity, 56
- Food processing, variance required, 90-91
 - See also Food Processing Annex*
- Food processing plant, definition, 10
- Food Protection Manager Certification, 28
- Food reheated in microwave oven, requirements, 81
- Food safety
 - control measures, HACCP plan, 195-197
 - intent of Food Code, 1
 - purpose of Code, 1
- Food service establishment. *See Food establishment*
- Food sources,
 - compliance with food law, 50-51
 - original containers and records, 59-60
 - plans, *See Public Health Reasons Annex, 498-499*
- Food specifications for receiving, 54-58
 - temperature, 54-58
- Food-specific container for beverages, refilling, 139
- Food storage
 - containers, identification of food, 65
 - preventing contamination from premises, 71-72
 - prohibited areas, 71
- Food supply, public health concerns, *Preface iv*

- Food temperature measuring devices
 - accessibility, 122
 - design and construction, 107
- Food vending location/areas
 - outdoor, overhead protection, 155
 - See also Food establishment*
- Food volume, proposed, plans, 194
- Foodborne disease
 - outbreak, definition, 8
 - prevention, knowledge, 26-28
 - prevention, plans, *See Public Health Reasons Annex*, 498-499
- Foodborne illness
 - nature and extent, *Preface i-ii*
 - frequency of inspections, 204-205
 - transmission by employees, prevention, 211-212
- Foot candles. *See Lighting*
- Fork lifts. *See Case lot handling equipment*
- Forks. *See Tableware*
- Form of request for hearing, 225-226
- Freezing to destroy organisms of public health concern, 79-80
- Frog. *See Fish*
- Frozen eggs, condition at receipt, 55
- Frozen food
 - limiting growth of organisms of public health concern, 82
 - maintain frozen, 82
 - shipped frozen received frozen, 55
- Fruits, raw
 - cooking, 77
 - washing, 66
 - whole or cut, immersion in ice or water, 67
 - whole, uncut, storage, 65
- Galvanized metal, use limitation for utensils and food-contact surfaces of equipment, 105
- Game animal
 - commercially raised for food, 52-54
 - cooking requirements, 74-77
 - definition, 10
 - exotic species, 74-75
 - limitations as food source, 52-54
 - wild, field-dressed, limitations as food source, 54, 74-76
- Gauge cock. *See Flow pressure valve*
- Garbage. *See Refuse*
- Garlic. *See Potentially hazardous food definition*
- Gastrointestinal illness, symptoms of employee, 31
- General use pesticide, definition, 10
- Glasses, refilling in consumer self-service, 70
- Gloves
 - cloth, laundering frequency, 141-142
 - handwash before donning, 44-45
 - single-use, 69
 - slash resistant, 69-70
- Grease traps, in food establishment drainage systems, 160
- Ground beef. *See comminuted definition*
 - cooking, 74
- Guard dog. *See Service animal*
- HACCP plan
 - compliance, responsibility of permit holder, 202
 - contents, 195-197
 - criteria, reduced oxygen packaging, 90-95
 - critical limits, nonconformance, 208
 - definition, 10
 - knowledge by person in charge, 26-28
 - variances, 90-91, 195, *see also HACCP Annex 4*
- HACCP principles, failure to demonstrate knowledge, 193
- Hair restraints for employees, 48
- Hamburger, *See comminuted definition*
 - cooking, 74
- Hand drying
 - available at handwashing sink, 175
 - part of cleaning procedure, 44
- Hand, antiseptics, 45-46
- Hand antiseptics for employees, 45-46
- Handling
 - kitchenware, 145
 - single-service and single-use articles, 145
 - tableware, 145
- Hands and arms of employees
 - clean condition, 43
 - cleaning procedure, 43-44
 - hand antiseptics, 45-46
 - when to wash, 44-45
 - where to wash, 45
- Hands, employees
 - alternative procedure to No Bare Hand Contact, 61-63; *see Annex 3, 371-374; Annex 7, Form 1-D*
 - no bare hand contact with RTE food, 61-63
- Handwashing
 - cleanser, availability, 174
 - food employees, 61
 - procedures, special, for employees, 43-45
 - signage, 175
- Handwashing sinks
 - Automatic, 44
 - cleanability, 150-151
 - design and construction, 150-151
 - location and placement, 153, 177
 - maintaining and using, 180
 - numbers and capacities, 152, 174
 - operation and maintenance, 153-154
 - use required, 43-45
 - water temperature, 151
- Handwashing sink, definition, 10
- Harvester's tag/label for molluscan shellstock, requirements, 56-60
- Hazard Analysis Critical Control Point. *See HACCP plan*
- Hazard, definition, 10
- Health hazard, imminent
 - discontinuance of operations and reporting requirement, 209

- prevention, Code application, additional requirements, 192, 209-210
- summary suspension of operations, 209
- Health practitioner
 - definition, 10
 - documentation for ill employee, *see Annex 7, Form 1-C*
- Health status of employee, required reporting, 207
- Hearing
 - appeal proceeding, 227-228
 - commencement, 229
 - documentary evidence, 233
 - evidence excluded, 233
 - provided upon request, 227
 - in accordance with law, 227
 - regulatory authority evidence, 233
 - rights of parties to, 233
 - settlement, 234
 - testimony under oath, 233
 - timeliness, 227-228
 - warning not required, 221
 - written evidence, 233
- Hearing notice
 - contents, 228-229
 - response, 226
- Hearing officer
 - appointment, 230-232
 - consent agreement, approval, 230-231
 - jurisdiction, 230
 - powers, 230-231
 - purpose, 230
 - qualifications, 230
- Hearing procedure
 - commencement on notification, 229
 - confidential, 229
 - expeditious and impartial 229
 - record, 229
 - rights of parties to, 233
- Hearings administration,
 - accordance with law, 227
 - basis and time frame, 225-226
 - form and content, 226
- Heat lamp, shield, 171
- Heater, for manual warewashing equipment, 116-117
- Heating capacity, food equipment, 120
- Hepatitis A virus
 - cause of disease outbreak, 32-36
 - cause of employee illness, 32
 - conditions for release of employee from restriction or exclusion, 36-42, 212
- Hermetically sealed
 - container, definition, 11
 - food, source, 50-51
 - food containers, cleaning, 64
 - reheating, food taken from a container, 80-81
- High-risk population. *See Highly susceptible population*
- Highly susceptible population
 - consumer advisory, 97-98
 - definition, 11
 - exclusions and restrictions of ill employees, 34-36
 - frequency of inspection, 205
 - permit application, 199
 - special requirements, 99-102
- History, PHS model codes, *Preface ii-iii*
- Hold order
 - contents, 221-222
 - exclusion, 217-218
 - examining, sampling, and testing food, 223
 - justifying conditions, 221
 - official tagging of food, 222
 - removal of tag, 223
 - releasing food from, 223
 - removal of food, 221
 - restrictions on using or moving food, 217-218
 - service of notice, 217-218
 - warning or hearing not required, 221
- Holding capacity, food equipment, 120
- Holding tank. *See Sewage, holding tank*
- Holding time, minimum
 - comminuted meats, 74-75
 - cooking, roast beef and corned beef, 75-77
- Hollowware. *See Tableware*
- Homes and living/sleeping quarters, private, use prohibition, 174
- Honest presentation, intent of Food Code
 - not misleading, 1
- Hooks, slab bacon, 65
- Hood. *See Ventilation systems*
- Hot holding of potentially hazardous food, 85
- Hot water
 - quantity and availability, 149
 - sanitization of equipment food-contact surfaces and utensils, 140
- Hygienic practices of employees
 - food contamination prevention, 47
 - hair restraints, 48
 - handling animals, prohibition, 48
- Ice
 - as food, 56
 - exterior cooling, prohibition as ingredient, 67
 - source, 56
 - storage or display of food in contact with, 67
- Ice units, separation of drains, design and construction, 113
- Identity standards for food, definition, 95
- Illness of employee, investigation, 211
- Illness prevention, intent of Food Code, 1
- Imminent health hazard
 - ceasing operations and reporting, 209
 - definition, 11
- Immunocompromised persons. *See Highly susceptible population*
- In-place cleaning. *See CIP definition*
- Incinerators for solid waste, 166
- Individual sewage disposal system, disposal through approved system, 160
- Indoor areas, materials, 167-168

Infection, employee, symptom, 31-34

Infectious agent, employee freedom from, removal of restriction, 36-42

Ingredients, HACCP plan, 195-197

Injected, definition, 11

Injunction

- court petition, 237

Insect control

- devices, design, and installation, 171
- food establishments, poisonous or toxic materials, 184
- maintenance, 181
- outer openings protected, 172-173
 - See also Pest control*

Insects, dead or trapped, removal, 181

Inspection. *See Annex 5*

Inspection, frequency

- establishing, 204-205
- performance- and risk-based, 205

Inspection order

- access to premises and records, 206, 220, 235
- contents, 215-218, 220-222, 234-236

Inspection port, enclosed water system, 156

Inspection, preoperational, 197, 201

Inspection report

- acknowledgment of receipt, 208-209
- documentation, 207-208
- form, Annex 7
- issuance, 208
- public information, 209
- receipt, refusal to sign acknowledgment, 208-209

Installation

- equipment, 124-125
- plumbing system, 150

Institutional food service. *See Food establishment, highly susceptible population*

Interaction of pH and a_w . *See Potentially hazardous food*

Interstate Certified Shellfish Shippers List, sources of molluscan shellfish, 52

Intestinal illness of employee, 31-34

Iodine solutions, chemical sanitization, 129-130

Jars. *See Single-use articles*

Jaundiced employee

- exclusions and restrictions, 35
- removal of exclusions and restrictions, 38-39
- symptom, 31, 33

Jewelry, employees, prohibition exception, 46

medical alert, 46

Judicial

- enforcement proceedings, initiating, 236
- inspection orders, 234-235
- remedies, 235-237
- review, 215

Juice

- definition, 11
- HACCP system, 58
- packaged, 58
- prohibition, 99-100
- service to highly susceptible populations, 99
- treated, 81
- warning label, 81
 - See also Public Health Reasons Annex, 369-370*

Junctures, floor and wall, covered and enclosed or sealed,

- cleanability, 168-170

Jurisdiction of hearing officer, 230-231

Justification, variances, 192

Justifying conditions for hold order, 221

Kick plates, removable, design and construction, 109

Kitchenware

- definition, 11
- handling, 145

Knives. *See Tableware*

Label, common name on food container, 65

Labeling

- packaged food, 50
- compliance with law, 96-97
- poisonous or toxic materials and personal care items, 183

Lamb. *See Meat*

Landfills for solid waste, 166

Latex. *See Public Health Reasons Annex, 392-393*

Laundering linens

- criteria, 142
- frequency, 141-142
- mechanical washing, 142
- methods, 142

Laundry facilities, use limitations, 142

Lavatories. *See Handwashing facilities*

Law, definition, 11

Layout, proposed, plans, 194-195

Lead limitation in ceramic, china, crystal, and decorative

- utensils, 104

Leafy greens, cut

- as PHF/TCS food, 15
- definition, 5

Lesion, containing pus, 31

Light bulbs, protective shielding, 170-171

Lighting, intensity, 176

Linens and napkins, use limitation for food-contact surfaces, 68

Linens

- definition, 11
- laundering criteria, 142
- laundering frequency, 141-142
- laundering methods, 142
- mechanical washing methods, 142
- soiled, storage methods, 142
- storage after cleaning, 144
- storage prohibitions, 144-145

Liquid eggs, condition at receipt, 55

Liquid food or ice, dispensing equipment, design and construction, 111-112

Liquid food vending machines, waste receptacle, 118

- Liquid waste
 - drain lines, design and construction, 113
 - other than sewage, disposal facility, 108
 - products from vending machines, 118
 - See also Sewage*
- Listeria monocytogenes*, risk assessment. *See Public Health Reasons Annex*, 411-412, 415-416
- Litter, removal, 181
- Living/sleeping quarters, separation, 174
- Loading soiled items, warewashing machines, 136-137
- Location, grease trap, 160
- Lockers
 - designation, 176-177
 - location, 176-177
 - using, 180
- Lubricants, incidental food contact, criteria, 187
- Lubricating food-contact surfaces, 143
- Maintenance
 - equipment, storage, 181
 - refuse areas and enclosures, 161
 - tools, cleaning, 179
 - See also Operation and maintenance*
- Major food allergen definition, 12
- Management and personnel
 - employee health, 31-42
 - hygienic practices, 47-48
 - personal cleanliness, 43-47
 - supervision, 25-30
- Manager certification, national recognition, 28
- Manual warewashing. *See Warewashing.*
- Manufacturers' dating information, 86
- Materials
 - construction and repair, surface characteristics, 167-168
 - mobile water tank and mobile food establishment water tank, 155
 - See also Physical facilities*
- Mats, floor, cleanability, 169
- Meal portions, individual, from bulk container, 87
- Meat
 - cooking requirements, 74-77
 - cured, 87
 - consumer self-service, 73
 - definition, 12
 - rare or raw, consumer advisory, 97-98
 - raw, storage, 61-63
 - use of clean equipment, 132-135
 - use of laundered gloves, 141
- Mechanical warewashing. *See Warewashing.*
- Mechanically tenderized, 13, 74, *see Annex 7, Chart 4-A*
- Medical condition of employee, 31-42
 - confidentiality in hearing, 229
- Medical history of ill employee, 211
- Medicines in food establishments
 - restriction and storage, 188
 - see also Personal care items*
- Melons, cut. *See Potentially hazardous food Definition.*
- Menu, proposed, plans, 194-195
- Menu items, consumer advisory, 97-98
- Meringue, 65-66, 99-100
- mg/L, definition, 12
- Microwave ovens
 - cooking, 77
 - reheating food, requirements, 80-81
 - safety standards, 126
- Milk and milk products, dry, fluid, and frozen, pasteurized at receipt, 55-56
- Milk, fluid, and milk products
 - cooling, 84
 - dispensing tube, 131
 - raw, consumer advisory, 97-98
 - source, 50-51
 - temperature at receipt, 54-55
- Mixing valve, handwashing sink, 151
- Mobile facility, alternative water supply, 150
- Mobile food establishment
 - application for permit, 197-200
 - sewage holding tank, capacity and drainage, 159
 - water tank, inlet, 157-158
 - waste removal, 160
- Mobile water tank and mobile food establishment water tank
 - design and construction, 156
 - flushing and disinfection, 158
 - materials, 155
 - numbers and capacities, 157
 - operation and maintenance, 158
- Model codes, advantages, *Preface iv-v*
- Model forms. *See Model Forms, Guides, and Other Aids Annex*
- Modifications. *See also Variance and Waivers*
 - Code application, 191-193
 - conformance with approved procedures, 193
- Modified atmosphere packaging. *See Reduced Oxygen Packaging.*
- Molluscan shellfish
 - commingling, 60
 - definition, 12
 - lightly cooked or raw, consumer advisory, 97-98
 - original container, requirements, 59-60
 - packaging and identification, 56
 - shellfish, source, 52
 - shucked, original container, labeling, 59-60
 - tanks, use limitations, 113-114
 - tanks, variance, 113-114
- Molluscan shellstock
 - condition on receipt, 58
 - cooling, 84
 - identification specifications, 57-58
 - temperature at receipt, 54-55
- Mollusk. *See Fish*
- Mollusk shells, use limitation, 131
- Mops, drying, 179
- Mouthwash. *See Personal care items*
- Moveability, case lot handling equipment, 118-119
- Moveable. *See Easily moveable*

- Multiuse utensils and food-contact surfaces, construction materials, characteristics, 103-106
- Mushrooms
 - cultivated wild species, source, 52
 - wild, source, 52
- Mussels, lightly cooked or raw, consumer advisory, 97-98. *See also Molluscan shellfish*
- Napkins, cloth, laundering frequency, 141-142. *See also Linens*
- National Shellfish Sanitation Program
 - certification number, 3
 - Guide for the Control of Molluscan Shellfish, 52
- Nitrates, nitrites, and salt for curing, variance specifications, 90-91
- Nonconformance with Code, documentation, 207-208
- Non-continuous cooking
 - definition, 12-13
 - criteria, 78-79
- Nondrinking water, quality, 148
- Nonfood-contact surfaces
 - cleaning criteria, 132
 - cleaning frequency, 136
 - construction materials, characteristics, 106
 - design and construction, 109
- Norovirus
 - employee illness, 31-33
 - reporting, 34
 - restriction/exclusion, 34-35
 - reinstatement, 39-41
- Notice of denial of application for operating permit, 201
- Notices, service of, 217
 - See also Hearing notice*
- Nutrition labeling, 96-97
- Nuts in shell, storage, 65
- Oath or affirmation, hearing testimony, 233
- Odors
 - mechanical ventilation, 176
 - multiuse equipment materials, 103-106
 - refuse removal frequency, 165
 - single-service/use article materials, 106-107
- Off-premise
 - cleaning services for refuse, recyclables and returnables, 163
 - delivery and consumption of potentially hazardous food, application for permit, 199
- Oil equipment
 - "V" threads, 108
 - filtering, 109
- On-site cleaning of returnables, 139
- Openings, to outdoors, protection against insects and rodents, 172-173
 - See also*, 473-474
- Operation and maintenance
 - mobile water tank and mobile food establishment water tank, 158
 - physical facilities, 178-182
 - plumbing system, 153-155
 - resumption after suspension, 209
 - sewage system, 160
 - suspension for imminent health hazard, 209
- Optional contents of order, 236
- Order, modifying, removing, or vacating
 - hearing officer's powers, 230-232
- Orders
 - failure to comply, 220
 - hearing officer's powers, 230-232
- Organisms of public health concern
 - destruction, 74-81
 - growth limitation, 82-95
- Outdoor areas, materials, 168
- Ostrich. *See* Ratites
- Outdoor refuse areas, curbed and graded to drain, 173
- Outdoor walking and driving surfaces, graded to drain, 173
- Outside receptacles for refuse, recyclables, and returnables, design and construction, 162
- Outside storage of refuse, recyclables, and returnables, prohibitions, 164
- Oven
 - cooking temperature, 75-76
 - microwave, 77, 81, 126, 136
- Overhead protection for outdoor food vending and servicing areas, 173
- Overwraps, colored, for food, limitations, 95
- Ownership change, operating permit, 201
- Oysters, lightly cooked or raw, consumer advisory, 97-98
 - See also Molluscan shellfish*
- Package integrity, 56
- Packaged, definition, 13
- Packaged food
 - labeling, 50
 - labels, compliance with law, 96-97
 - separation and segregation from unpackaged food, 64-65
- Packaging and identification of shucked molluscan shellfish, 56, 59-60
- Packaging, reduced oxygen
 - conditions not requiring a variance, 91-95
 - conditions requiring a variance, 90
 - definition, 19-20
 - HACCP plan and variance criteria, 90
- Pallets. *See* Case lot handling equipment
- Parasite destruction in fish by freezing, 79
- Parts per million. *See* mg/L, *definition*
- Pasteurized Milk Ordinance, *see References Annex*, 248, 260, 265
- Patrol dogs, 182
- Penalties
 - assessment and order of civil, 231-232
 - enforcement and collection, 236-237
- Performance-based frequency of inspection, 205
- Performance standard, *Preface*, vii
- Permanent Outdoor Cooking Establishments
 - Guidance, *see Annex 2-3*, 307

- Permit, definition, 13
- Permit holder
 - agreement, replacement of facilities or equipment, 191-192
 - definition, 13
 - posting in food establishment, responsibility, 202
 - responsibilities for permit retention, 202-203. *See also Employee*
- Permit renewal, existing food establishment, 201
- Permit, suspending, revoking, modifying, or restricting, hearing officer's powers, 230-232
- Permit suspension
 - conditions warranting, 223
 - reinspection time frame, 224
 - reinstatement, 225
 - warning or hearing not required, 224
- Permit to operate food establishment, 197-203
 - failure to have, 219
- Person, definition, 13
- Person in charge
 - assignment, 25
 - definition, 13
 - demonstration of knowledge, 26-28, 207-208
 - duties, 28-30
 - employee responsibility for reporting illness, 30
 - responsibility to report certain employee illness, 33
 - responsibilities, rights, and authorities, explanation, 26-34. *See also Employee*
- Personal care items
 - definition, 13
 - first aid supplies, storage, 188-189
 - in food establishments, storage, 189
 - labeling and identification, 183
 - medicines, restriction and storage, 188
 - operational supplies and applications, 184-189
 - stock and retail sale, 189
- Personal cleanliness, 4347
- Personal medications. *See Medicines*
- Personnel, supervision, 28-30
- Pest control, 180
 - outer openings protected, 172-173
 - See also Insect control; Rodent control*
- Pesticides in food establishments
 - application, 185
 - bait station, 188
 - restricted use pesticide, conditions of use, 185-186
 - restricted use pesticide, criteria, 187
 - tracking powders, 188
 - See also Poisonous or toxic materials*
- Pests, dead or trapped, removal, 181
- Petitions
 - civil proceedings, 237
 - enforcement, 236
 - injunction, 237
- Pets in group residence dining areas
 - restrictions, 182
- Pewter, use limitation for food-contact surfaces, 104
- pH
 - chemical sanitization, warewashing equipment, 129-130, 141
 - definition, 13-14
- PHS model codes
 - authority, *Preface iii*
 - history and purpose, *Preface ii*
- Physical facilities
 - cleaning
 - floors, dustless methods, 179
 - frequency and restrictions, 178
 - maintenance tools, preventing contamination, 179
 - ventilation systems, nuisance and discharge prohibition, 179
 - controlling pests, 180
 - definition, 14
 - design, construction, and installation, 168-174
 - dressing rooms and lockers, using, 180
 - drying mops, 179
 - handwashing sinks, maintaining and using, 174-175
 - location and placement, 177
 - maintaining premises, 181
 - maintenance and operation, 178-182
 - materials for construction and repair, 167-168
 - minimizing attractants and contaminants on floors, 179-181
 - numbers and capacities, 174-177
 - pests, dead or trapped, removal, 181
 - prohibiting animals, 181-182
 - repairing, 178
 - storage, of maintenance tools, 181
 - toilet room doors, closing, 180
- Pickle barrels. *See Single-use articles*
- Pinning. *See Injected, definition*
- Plans and specifications for food establishment
 - contents, 194-197
 - facility and operating, requirement, 194-196
 - issuance criteria for operating permit, 201
- Plastic tubs, buckets. *See Single-use articles*
- Plates. *See Tableware*
- Plumbing fixture, definition, 14
- Plumbing system
 - air gap, 151
 - backflow prevention, 151
 - conditioning device, design, 151
 - construction, 150-151
 - definition, 14
 - design, 150-151
 - device, water system, inspection and service, 154
 - handwashing sink design and construction, 151
 - installation, 150-151
 - location and placement, 153

- materials, 150
- numbers and capacities, 152-153
- operation and maintenance, 153-155
- Poisonous or toxic materials
 - bait stations, 188
 - boiler water additives, criteria, 186
 - chemical sanitizers, criteria, 186
 - chemicals for washing fruits and vegetables, criteria, 186
 - common name, 183
 - containers, prohibition for food use, 186
 - definition 14
 - drying agents, criteria, 186-187
 - in food establishments, use conditions, 185
 - knowledge by person in charge, 26-28
 - lubricants, incidental food contact, criteria, 187
 - pesticides, restricted use, 184
 - restriction of presence and use in food establishments, 184-185
 - storage, separation, 184
 - tracking powders, 18. *See also Pesticides in food establishments*
- Pork. *See Meat*
- Portable. *See Easily moveable*
- Potable water. *See Drinking water*
- Potentially hazardous food
 - definition 15-17. *See also Food; Food, potentially hazardous Food, ready-to-eat, potentially Hazardous*
 - guidance, *see Annex 2-3 and Public Health Reasons Annex*, 304, 317-323
- Poultry
 - cooking requirements, 75
 - consumer self-service, 73
 - definition, 17
 - rare or raw, consumer advisory, 97-98
 - raw, storage, 64
 - use of clean equipment, 132-136
 - use of laundered gloves, 141
- Powers of hearing officer, 231-232
- Precleaning equipment and utensils, 136
- Premises
 - definition, 17
 - gaining access, 220
 - maintenance, 181. *See also Physical facilities*
- Presentation of food, 95
- Preset tableware, handling, 146
- Pressure, water, 149
- Pressure spray, wet cleaning, 137
- Primal cut, definition, 17
 - storage on hooks or racks, 65
- Priority item, definition, 17-18
- Priority foundation item, definition, 18
- Private home, unapproved food source, 50
 - food operations prohibited, 29, 174
- Probationary period, hearing officer's powers, 232
- Probe-type price and identification tags. *See utensil*, 23
- Proceedings, institution, 236
- Processing at retail, 91-95. *See also Annex 6*
- Produce. *See Fruits, raw; Vegetables, raw*
- Proper service of notice, 217
- Prosthetic device, 43
- Public health protection, Code application 191-193
- Public health reasons. *See Public Health Reasons Annex*, 315-499
- Public information, inspection report, 210
- Public sewage treatment plant, disposal through approved facility, 160
- Public water system, definition, 18
- Pushcart. *See Food establishment, definition, mobile*
- Quaternary ammonium compounds, chemical sanitization, 130
- Racks
 - case lot handling, 118-119
 - meat storage, 65
 - warewasher, 110, 116-118, 126-130
- Rainwater, disposal facility, 161. *See also Sewage*
- Rapid
 - cooling, 83-84
 - growth. *See Potentially hazardous food definition*, 15-17
 - reheating, 80-81
- Ratites
 - cooking, 74
 - definition, 18
 - game animal definition, 10
 - poultry definition, 17
- Ready-to-eat food
 - consumer self-service, utensils and dispensers, 73
 - definition, 18-19
 - potentially hazardous food
 - date marking; disposition, 87
 - See also Public Health Reasons Annex*, 414-419; *Model Forms, Guides, and Other Aids Annex*, Chart 4-C
- Reassembly of equipment after cleaning, 144
- Receptacles for refuse, recyclables, and returnables
 - capacity and availability, 161-162
 - cleaning, 163
 - covering, 162, 164
 - design and construction, 161-162
 - drain plugs, 165
 - equipment and storage, 162-165
 - location, 163
 - maintenance, 164-165
- Receptacles for removal of refuse, recyclables, and returnables, 161-165
- Records
 - availability, responsibility of permit holder, 201-2013
 - fish, freezing raw, 50, 79
 - HACCP, 193-197
 - HACCP plan conformance, failure to demonstrate, 207-208
 - molluscan shellstock, 57-60

- plans, standard operating procedures, *See Public Health Reasons Annex, 498-499*
- water system service schedule, 154
- Recyclables. *See Refuse*
- Recycling facilities, 166
- Redeeming machines, location, 163
- Reduced oxygen packaging
 - conditions not requiring a variance, 91-95
 - conditions requiring variance, 90-91
 - definition, 19-20
 - HACCP plan and variance criteria, 90-91
- References. *See References Annex*
- Refilling
 - clean tableware, 70
 - consumer self-service, using facilities, 139
 - returnables, 70, 139
- Refrigeration, cooling and cold holding, 83-85
- Refusal of access
 - application for inspection order, 207
 - reporting, 207
- Refusal to sign acknowledgment of inspection report receipt, 208-209
- Refuse areas and enclosures, maintenance, 165
- Refuse, definition, 20
- Refuse, recyclables, and returnables
 - cleaning implements and supplies, 163
 - design and construction, 161-162
 - facilities, on the premises, 161-162
 - facilities for disposal and recycling, 166
 - indoor storage area, design, 161
 - location, 163
 - outdoor enclosure, construction, 161
 - outdoor storage areas, construction materials, 161
 - outdoor storage surface, design and construction, 161, 173
 - removal, 165
 - storage, operation, and maintenance, 162-165
 - storage areas
 - equipment, and receptacles, location, 163
 - rooms, and receptacles, capacity and availability, 162
 - storage prohibitions, 164
 - toilet room receptacle, covered, 163
- Regulatory authority
 - definition, 20
 - responsibilities for permit issuance, 201
- Reheating
 - food from a hermetically sealed container, 81
 - hot holding, temperature requirements, 80-81
 - ready-to-eat food, requirements, 81
- Record of hearing procedure, 229
- Reinspection after permit suspension, time frame, 224
- Reinspection order, hearing officer's powers, 231-232
- Reinstatement
 - excluded or restricted employee, 36-42
 - permit, 225
- Releasing food from hold order, 223
- Remedies, 219-237
 - administrative, 220-234
 - conditions warranting, 219-220
 - criteria for seeking, 219-220
 - judicial, 234-237
- Remodeling of food establishment, plans and specifications 194-195
- Removal, refuse, recyclables, and returnables, 165
- Reporting, disease; medical condition
 - By conditional employee, 31
 - by food employee, 31
 - by permit holder, 202
 - by person in charge, 33
- Reporting, imminent health hazard
 - by permit holder, 202, 209
- Request for hearing, 225-229
- Re-service of unopened packaged food and unused
 - definition, 21
 - food, prohibition, 73
 - HSP, 101-102
- Response to hearing notice
 - basis and time frame, 225-226
 - required contents, 226
- Responsibilities
 - food employee reporting illness, 31
 - person in charge duties and authorities, 28-30
 - person in charge reporting ill employee, 33
 - permit holder for ceasing operations, 209
 - permit holder for permit retention, 202-203
 - regulatory authority for permit issuance, 201
- Restaurant. *See Food establishment*
- Restrict, definition, 21
- Restricted use pesticide, definition, 21
- Restriction
 - employee, release, 36-42, 212
 - infected or diseased employee, 36-42, 211-212
- Restriction order
 - for infected or diseased employee, 212
 - service, 211-212
- Restrictions
 - employees, removal, 34-36, 212
 - ill employees, 34-36
- Resumption of operations, 209
- Retail food store. *See Food establishment*
- Retention tank. *See Sewage, holding tank*
- Retirement home. *See Group residence*
- Returnables
 - on-site cleaning and refilling, 139
 - refilling, 70
 - See also Refuse*
- Reuse of shells, 131. *See also Public Health Reasons Annex, 465*
- Review of plans. *See Facility plans and specifications; Public Health Reasons Annex, 498-499*
- Revocation of permit. *See Summary permit suspension*
- Rhea. *See Ratites*
- Right of appeal, denial of application for operating permit, 201

- Right to hearing, waiver, 225-234
- Rights
 - parties to hearing, 233
 - preservation, 215
 - recipients of orders or decisions, 215
 - respondent to hearing notice, 228-229, 232-233
- Rinsing procedures, equipment and utensils, 137-138
- Risk-based frequency of inspection, 205. *See also Annex 5*
- Roasts, beef and pork
 - Formed/chunked, *see Public Health Reasons Annex*, 396-397
 - minimum holding times for cooking, 73-74
 - oven parameters for cooking, 75-76
 - reheating, 81
- Rodent control, 180
 - in food establishments, poisonous or toxic materials, 184-189
 - outer openings protected, 172-173. *See also Pest control*
- Rodents, dead or trapped, removal, 181
- Roe. *See Fish*
- Roofs, protective barrier, 173
- Rooms. *See Physical facilities*

- Safe material, definition, 21
- Safeguards, procedural, 215
- Salad bars, monitoring by food employees, 73
- Salmonella Typhi**
 - cause of disease outbreak and employee illness, 26-28, 30
 - employee illness, reporting, 26, 28, 30-34, 207
 - infection, conditions for employee restriction or exclusion, 33-36
 - reporting responsibility of person in charge, 33
- Salmonella Typhi-free** employee, removal of restriction or exclusion, 28-30, 192-193, *See Public Health Reasons Annex*, Tables 1 and 2
- Sample report, private water system, 149
- Sampling, water, nonpublic system, 148
- Sanctions or penalties, statement in hearing notice, 228-229
- Sanitization
 - chemical, manual, 129-130
 - chemical, warewashing equipment, 129-130
 - definition, 21
 - equipment and utensils, 140-141
 - hot water temperatures
 - manual, 128
 - warewashing equipment, 128
 - pressure, mechanical warewashing equipment, 129. *See also Poisonous or toxic materials*
- Sanitizing solutions
 - chemical, determining concentration, 129-130
 - detergent-sanitizer, rinsing procedures, 137-138
 - testing devices, availability, 123
 - wiping cloth storage, 68-69
- Scallops. *See Molluscan shellfish*
- Screening
 - backflow prevention device, 151, 153
 - outer openings protected, 172-173
 - tank vent, 156
 - vending machines, 119
 - water conditioning device, 151
- Seafood. *See Fish*
- Sealed, definition, 21
- Seeing Eye dog. *See Service animal*
- Self-draining warewashing sinks and drainboards, 118
- Self-service
 - clean tableware for refills, 70
 - consumer, protection from contamination, 73
 - handling of single-service and single-use articles, 145
 - utensil availability, 122
- Sentences for violations, 236-237
- Sentry dogs. *See Patrol dogs*
- Service animal
 - care and handling, 48
 - definition, 21
 - handwashing after handling, 44
 - handling of single-service and single-use, 181-182
 - presence in dining and sales area, 181-182
- Service of notice
 - proper methods, 217
 - proof of proper service, 218
 - time of effectiveness, 218
- Service sinks
 - availability, 177
 - plumbing system, numbers and capacity, 152
 - use limitation, 45
- Servicing area
 - definition, 21
 - outdoor, overhead protection, 173
- Serving dishes. *See Hollowware*
- Settlement
 - authorization, 234
 - consent agreement, approval and final decision by hearing officer, 231
 - request for, 226
 - respondent acceptance as waiver of right to appeal, 234
- Sewage
 - definition, 22
 - disposal, conveying, 160
 - disposal system, approved, design and construction, 160
 - holding tank, mobile, 158
- Sewage, other liquid wastes, and rainwater
 - backflow prevention, 159-160
 - conveying, 160
 - disposal facility, 160

- drainage, 159, 161
 - establishment drainage system, design and installation, 159
 - mobile holding tank, 159
 - removal from mobile food establishments, 160
 - retention, 159
- Shatterproof bulbs. *See Light bulbs, protective Shielding*
- Shellfish, molluscan. *See Molluscan shellfish*
- Shellfish control authority, definition, 22
- Shells, use limitation, 131
- Shellstock
 - definition, 22
 - maintaining identification, 60
- Shielding, light, 170-171
- Shiga toxin-producing *Escherichia coli*, definition, 22
- Shigella** spp.
 - cause of employee illness and disease outbreak, 26, 28, 30
 - employee illness, reporting, 26, 28, 30, 31-34, 207
 - infection, conditions of employee restriction or exclusion, 33-36
 - reporting responsibility of person in charge, 33
 - removal of restriction or exclusion, 36-42, 192-193, *See Public Health Reasons Annex*, Tables 1 and 2
- Shucked shellfish, definition, 22
- Shutoff device, vending machine, water or liquid food, 118
- Single-service and single-use articles
 - construction materials, characteristics, 106-107
 - definition, 22
 - handling, 145
 - prohibitions, 144-145
 - required use, 131
 - reuse limitation, 131
 - storage after cleaning, 144
- Sink compartment requirements, manual warewashing, 120
- Sink, handwashing. *See Handwashing facilities*
- Sinks, warewashing
 - cleaning agents, 127
 - self-draining, 118
 - use limitations, 127
- Slacking
 - definition, 22
 - potentially hazardous frozen food, conditions, 82
- Slash-resistant gloves, 69-70
- Sleeping quarters. *See Living/sleeping quarters*
- Smoking. *See Tobacco use by employees*
- Smooth, definition, 22-23
- Sneeze guards. *See Food display*
- Sneezing, coughing, or runny nose by employees, food contamination prevention, 47
- Soap. *See Cleaning agents*
- Soiled tableware, handling, 145
- Solder, use limitation for food-contact surfaces, 104
- Source, approved
 - drinking water, 147
 - food, 50-51
 - shellfish, 49-50, 52, 56-58
- Sous vide packaging. *See Reduced Oxygen Packaging*
- Spacing
 - carpet installation, 169
 - counter-mounted equipment, 124
 - equipment installation, 124
 - fixed equipment, 124
 - toxic material separation, 184, 188-189
- Spatulas, use to avoid contaminating food, 61
- Specifications. *See Plans*
- Sponges, use limitation, 105
- Spoons. *See Tableware*
- Spot cleaning. *See Floors, dustless cleaning methods*
- Sprouts, seed. *See Potentially hazardous food definition*
 - variance, 91
 - guidance, Annex 2-3, 292, 296
- Stainless steel. *See Cleanability; Easily cleanable*
- Standards of identity, 95. *See also Juice definition*
- Standards
 - Food Code, 1
 - uniform, advantages, *Preface iv-v*
- State and local regulations, ordinances, and statutes. *See Compliance and Enforcement Annex*, 213-214, 216
- Steak, whole-muscle intact beef, 50, 76
 - See also public health reasons Annex*, 372, 398
- Steak tartare, consumer advisory, 97-98
- Steam
 - cleaning equipment, 163
 - mixing valves, 151
 - tables, temperature measurement, 115
 - ventilation, 176
- Stitch pumping. *See Injected*
- Stirrers. *See Single-service articles*
- Stock and retail sale of poisonous or toxic materials and personal care items, storage and display, 189
- Storage
 - clean equipment, utensils, linens, and single-service and single-use articles, 144
 - first aid supplies in food establishments, 188-189
 - food in contact with water or ice, 67
 - maintenance equipment, 178-179
 - medicines in food establishments, 188
 - methods for soiled linens, 142
 - poisonous or toxic materials, separation, 184
 - refuse, recyclables, and returnables, operation and maintenance, 164-165
- Storage and display of items for stock and retail sale, separation, 189

Storage areas for refuse, recyclables, and returnables
 capacity and availability, 162-163
 designated, 178
 location, 163

Storage cabinets, location for contamination prevention, 123-124

Storing food to prevent cross contamination, 61-65

Straws. *See Single-service articles*

Street foods. *See Food establishment, definition, mobile*

Studs, joists, and rafters, cleanability, 170

Stuffing, cooking, 75

Subpoenas, issued by hearing officer, 231

Sulfites. *See Additives*

Summary permit suspension
 conditions warranting, 223
 disease intervention measure, 211-212
 notice, contents, 224
 reinstatement, 225
 service of, 211-212
 time frame, 224
 warning or hearing not required, 224

Summary suspension of operations for imminent health hazard, 211-212

Summons, issuance, 236

Supervision of personnel
 demonstration of knowledge, 26-28
 person in charge, 28-30

Surface characteristics
 indoor areas, 167-168
 outdoor areas, 168, 173

Suspension. *See Summary suspension; Compliance And Enforcement Annex, 217, 220, 224-225*

Sweeping compounds. *See Floors, dustless cleaning methods*

Table-mounted equipment
 definition, *see counter-mounted equipment definition, 5*
 elevation, 124-125

Tablecloths. *See Linens*

Tableware
 clean, consumer use in self-service area, supervisor responsibility, 30
 definition, 23
 handling, 145-146
 preset, handling, 145-146
 soiled and clean, handling, 145
See also Single-service articles

Tag on food, hold order, 222
 official, 222
 removal, 223

Tag/label, for molluscan shellstock
 record keeping, 60
 requirements, 56-60

Take-home food containers, refilling, limitations, 70

TCS food. *See potentially hazardous food*

Temperature – Food
 cold and hot food holding, 85
 cooking, 74-80
 cooling, 83-84
 plant food, 77
 receiving, 54-55
 reheating, 80-81
 roast beef and corned beef, 75-76
 seared steak, *see steak, whole-muscle intact*
 thawing, 82-83

Temperature – Warewashing
 wash water, manual, 127
 wash water, mechanical, 127-128
 sanitization, manual, 129-130
 sanitization, mechanical, 129-130

Temperature measurement devices accuracy, calibration, 131
 definition, 23
 design and construction, 107, 109-110
 food, provided and accessible, 122
 food storage unit air, 111-112
 manual warewashing, accessibility, 122
 probe, small diameter, 122
 scale, 107-108
 warewashing machines, 116

Tempered water, handwashing sink, 151

Temporary facility, water availability, 150

Temporary food establishment
 application for permit, 198-200
 construction materials, 167-168
 definition, 23

Testimony under oath at hearing, 233

Testing kit for sanitizing solutions, availability, 123

Thawing potentially hazardous frozen food, conditions, 82-83

Thermistor, thermocouple, thermometer.
See Temperature measuring device

Threads, "V"-type, 108

Three compartment sink. *See Sink compartment Requirements*

Time as public health control for potentially hazardous food, 88-90
 in highly susceptible populations (HSP), 90

Time frame
 appeal, 225-228
 correction of priority item or priority foundation item violation, 210
 Core item violation, 210
 reinspection, 224
 response to hearing notice or request for hearing, 225-226

Time/temperature control for safety food. *See potentially hazardous food*

Tobacco use by employees, food contamination prevention, 47

Tofu, immersion in ice or water, 67

Toilet rooms
 convenience and accessibility, 177
 doors, closing, 180
 enclosed, design and installation, 171
 numbers, 152, 175
 receptacle for sanitary napkins, 163

Toilet tissue, availability, 176

Toiletries. *See Personal care items*

- Toilets and urinals
 - number, 152
 - use limitation, 152
- Tongs, use to avoid contaminating food, 61
- Toothpaste. *See Personal care items*
- Toothpicks. *See Single-service articles*
- Towelettes, chemically treated, for handwashing, conditions, 152
- Towels
 - availability, 175
 - disposable, waste receptacle, 175
- Toxic. *See Poisonous or toxic materials*
- Tracking powder. *See Pesticides in food establishments*
- Trade secrets
 - confidentiality in hearings, 229
 - protection, 197
- Training plan, food safety, for employees and for bare hand contact, 30, *See Public Health Reasons Annex*, 384-386
 - supervisors, HACCP plan, 196
 - ROP, 30
- Training of employees, 30, 92, 101, 196
- Transport
 - case lot moving, 118
 - conveyance of people, 9
 - game animals, 52-54
 - insulated containers, 115
 - refuse vehicles, 165
 - sewage vehicles, 160
 - soiled linens, 142
 - transportation vehicle, 9, 22
 - water vehicles, 149
- Trash. *See Refuse*
- Tumblers. *See Hollowware*
- Tuna, 79-80
- Turtle. *See Fish*
- Two compartment sink. *See Sink compartment Requirements*
- Unnecessary
 - items, 165,181
 - ledges, projections and crevices, 109
 - persons, 29
- Urinals, numbers, 152
- "Use by" date. *See Date marking; Public Health Reasons Annex*, 419; *Model Forms Guides, and Other Aids Annex*, Chart 4-C
- User information, *Preface viii-x*
- Utensils
 - air-drying, 143
 - cast iron, use limitation, 104
 - ceramic, china, crystal, and decorative, lead limitation, 104
 - cleaning criteria, 132-133
 - cleaning frequency, 132-135
 - consumer self-service, availability, 122
 - contact with food, 67
 - definition, 23
 - design and construction, durability and strength, 107
 - galvanized metal, use limitation, 105
 - in-use storage, 67-68
 - maintenance and operation, 131
 - multiuse, construction materials, 103-107
 - racks, capacity, 121
 - sanitization, 140-141
 - serving, for consumer self-service operations, 73
 - storage after cleaning, 144-145
 - storage between use, 62-68
 - wet cleaning methods, 137
- Utility lines, cleanability, 168-169
- "V" threads, use limitation for food-contact surfaces, 108
- Vacuum packaging. *See Reduced oxygen packaging*
- Variance
 - cooking raw animal foods, 74-79
 - conformance with approved procedures, 193
 - definition, 23
 - documentation and justification, 192-193
 - guidance, *see Annex 2-3*
 - HACCP plan, 193, 195-197
 - modifications and waivers, Code application, 192
 - molluscan shellfish tanks, 113-114
 - rationale, 193
 - requirement for specialized food processing methods, 90-91
 - sprouting, 91
- Vegetables, raw
 - cooking for hot holding, 77
 - washing, 66
 - whole or cut, immersion in ice or water, 67
 - whole, uncut, raw, storage, 65
 - See also Sprouts; potentially hazardous food definition*
- Vehicles for removal of refuse, recyclables, and returnables, 166
- Vending machines
 - automatic shutoff, 114-115
 - can openers, design and construction, 113
 - condiments, packaging to prevent contamination, 112
 - definition, 23
 - design and construction of vending stage closure, 112
 - doors and openings, design and construction, 119
 - liquid waste products, 118
 - location, definition, 23
 - potentially hazardous food, original container, 114-115, 111-112
 - refuse receptacles in, 162
 - temperature, 114-115
- Ventilation, mechanical, 110
- Ventilation systems
 - capacity, 121
 - cleaning, nuisance and discharge prohibition, 109-110
 - exhaust vents, design and installation, 107

- hood, adequacy, 121
- drip prevention, design and construction, 110
- Verification of correction of priority item and priority foundation item violation, 210
- Vermin. *See Insect control; Pest control; Rodent control*
- Violations, priority item and priority foundation item, continuing, 210
 - demonstration of knowledge compliance with Code, 26-28
 - documentation and verification of correction, 210
 - documentation of findings, 207-209
 - finances and sentences, 236-237
 - history of, role in frequency of inspections, 204-206
 - inspection and correction, 204-210
 - uncorrected, 208
 - Core item, time frame for correction, 210
 - timely correction, 210
- Virus. *See Disease outbreaks caused by*
- Vomiting, employee symptom, 31-42
- Waivers. *See also Modifications; Variance*
 - Code requirements, 192
 - conformance with approved procedures, 193
 - prompt hearing, 225-228
 - right to appeal, 227-228
- Walk-in refrigerator, carpeting prohibition, 167-168
- drains, 169
- Walking surfaces. *See Surface characteristics*
- Wall and ceiling coverings and coatings, cleanability, 170
- Walls, exterior, protective barrier, 173
- Warewashing
 - definition, 23
 - manual, sink compartment requirements, 120-121
 - manual, temperature measuring devices, accessibility, 122
- Warewashing equipment
 - chemical sanitizer concentration, determining, 129-130
 - clean solutions, 127
 - manual
 - alternative, 120
 - chemical sanitization, 140-141
 - detergent-sanitizers for chemical
 - sanitization, 121, 130
 - cleaning agents, 127
 - heaters and baskets, 116-117
 - hot water sanitization
 - rinsing, 137-138
 - temperatures, 121, 128, 138
 - wash solution
 - temperature, 127-128
 - mechanical
 - chemical sanitization, 129-130
- hot water sanitization temperatures, 108
- sanitization pressure, 110, 117, 129
- wash solution temperature, 127-128
- Warewashing machines
 - data plate operating specifications, 116
 - drain connection, 139
 - flow pressure valve, 117
 - internal baffles, 116
 - loading of soiled items, 136-137
 - manufacturers' operating instructions, 126
 - sanitizer level indicator, 117
 - temperature measuring devices, 116
- Warewashing sinks
 - alternative use limitation, 127
 - and drainboards, self-draining, 118
- Warning not required for hold order, 212, 221
- Warrants, judicial enforcement proceedings, 236
- Wash solution temperature, warewashing equipment, 127-128
- Washers/dryers, clothes, availability, 122
- Washing,
 - mechanical methods, linens, 124, 142
 - methods, equipment, and utensils, 136-138
 - raw fruits and vegetables, 66
- Waste
 - liquid. *See Sewage*
 - solid. *See Refuse*
- Waste receptacle for disposable towels, 175
- Waste retention tank, flushing, 160
- Water
 - alternative supply, 150
 - distribution, delivery, and retention, 149
 - hot, quantity and availability, 149
 - inlet/outlet, protective device, 157
 - nondrinking, 148
 - pressure, 149
 - quality, 148-149
 - sample report, 149
 - sampling, 148
 - standards, 148
 - quantity and availability, 149
 - source
 - approved system, 147
 - bottled drinking, 148
 - capacity, 149
 - disinfection, 148
 - knowledge by person in charge, 27
 - system flushing, 148
 - storage or display of food in contact with, 67
- Water activity, definition, 3
- Water conditioning device, 151
- Water reservoir of fogging devices, cleaning, 154
- Water supply
 - alternative supply, 150
 - system, prohibition of cross connection, 154
- Water system, compressed air filter, 157
- Water system device, inspection and service, 154
- Water systems, public and nonpublic, 147
- Water tank
 - hose, construction and identification, 157
 - inlet/outlet

- and hose fitting, protection, 157
- sloped to drain, 156
- use limitation of "V" type threads, 156
- pump, and hoses, dedicated use, 158
- vent, protected, 156
- Watertight joint, equipment openings, 111
- Water treatment device, 154
- Wet cleaning methods, equipment and utensils, 137
- Wet storage. *See Storage, food in contact with water and ice; Molluscan shellfish, tanks*
- Wetting agents, 137
- Whole-muscle, intact beef
 - definition, 24
 - consumer advisory exemption, 50, 97-98
 - cooking, 75-76
 - labeling, 50, 75-76
- Windows, tight-fitting, 172
- Wiping cloths
 - air-drying locations, 143
 - laundering, 142
 - stored in sanitizer, 69
 - use for one purpose, 68
- Wood, use limitation for food-contact surfaces, 105-106
- Work clothes. *See Clothing, outer*
- Wound, infected. *See Lesion, containing pus*
- Wrapped food
 - honestly presented, 49, 95
 - preventing contamination, 145
 - See also packaged, definition*
- Wrapped tableware, handling, 145-146