

CONTENTS

Chapter 1 INTRODUCTION	1
1.1 OBJECTIVE	1
1.2 SUMMARY	2
Chapter 2 GENERAL INSPECTION APPROACH FOR FOOD PROCESSING PLANTS	3
2.1 OBJECTIVE	3
2.2 GENERAL PRODUCT FLOW	5
2.3 BUILDINGS AND GROUNDS	11
2.4 PLANT SERVICES	12
2.5 EMPLOYEES	13
2.6 MANUFACTURING EQUIPMENT	15
2.7 FOOD AND COLOUR ADDITIVES	16
2.8 INSPECTION EQUIPMENT	16
2.9 FOOD STANDARDS	19
2.10 INSPECTOR'S NOTES AND REPORT	21
Chapter 3 SAMPLING	23
3.1 OBJECTIVE	23
3.2 AUTHORITY	25
3.3 SAMPLING TOOLS AND CONTAINERS	26
3.4 COLLECTION TECHNIQUE	31
3.5 SAMPLE PREPARATION AND IDENTIFICATION	35
3.6 SAMPLE PRESERVATION AND SHIPMENT	36
3.7 NOTES AND REPORTS	38
3.8 SAMPLING PLANS	41
Chapter 4 SPECIFIC ESTABLISHMENT INSPECTION TECHNIQUES	43
4.1 SCOPE	43
4.2 THE USE OF PESTICIDES IN AGRICULTURE	43
4.3 GRAIN INSPECTION	47
4.4 FLOUR MILLS	50
4.5 BAKERIES	51
4.6 DRIED FOOD ESTABLISHMENTS	54
4.7 SALTING, SMOKING AND SUGARING	56
4.8 FERMENTATION AND PICKLING	59
4.9 FROZEN-FOOD ESTABLISHMENTS	60

4.10	OPEN-AIR MARKETS	60
4.11	RETAIL STORES	62
4.12	PUBLIC EATING AND DRINKING ESTABLISHMENTS	63
4.13	FOOD SERVICE ESTABLISHMENTS	70
4.14	CANNED FOOD-PLANTS	73
4.15	BEVERAGE INSPECTION	79
4.16	FOOD WAREHOUSES	82
4.17	MICROBIOLOGICAL AND HYGIENIC INSPECTION	86
Chapter 5 SPECIFIC FOOD INSPECTION TECHNIQUES (Critical Control Points)		95
5.1	APPLICATION	95
5.2	BEVERAGES	95
5.3	CANDY AND SWEETS	96
5.4	CEREAL GRAINS, PULSES, LENTILS	97
5.5	CHOCOLATE AND COCOA	97
5.6	COFFEE AND TEA	98
5.7	CUSTARD-AND CREAM-FILLED GOODS	98
5.8	FLOUR	98
5.9	NOODLES, SPAGHETTI, ETC	99
5.10	DRESSINGS	100
5.11	VINEGAR	101
5.12	SUGAR	101
5.13	SPICES	102
5.14	SOUPS	102
5.15	OIL, FATS AND SHORTENING	102
5.16	NUTS AND NUT PRODUCTS	103
5.17	PROCESSED FRUITS	104
5.18	TOMATOES AND TOMATO PRODUCTS	105
5.19	MEAT AND MEAT PRODUCTS	106
5.20	MILK	116
5.21	MILK PRODUCTS	122
5.22	POULTRY	127
5.23	EGGS AND EGG PRODUCTS	128
5.24	FISH AND FISH PRODUCTS	129
5.25	SHELLFISH AND CRUSTACEANS	135
Chapter 6 ENVIRONMENT CONTROL		137
6.1	OBJECTIVE	137
6.2	BUILDING MAINTENANCE	137
6.3	AIR	138

6.4	WATER	138
6.5	WASTE DISPOSAL	142
6.6	WASTE DISPOSAL SYSTEMS	142
6.7	PESTS	144
Chapter 7 EXPORT-IMPORT SURVEILLANCE		149
7.1	OBJECTIVE	149
7.2	EXPORTS	149
7.3	IMPORTS	151
7.4	INTERNATIONAL AIDS	154
Chapter 8 VOLUNTARY AND MANDATORY COMPLIANCE		155
8.1	INTRODUCTION	155
8.2	OBJECTIVE	155
8.3	VOLUNTARY ACTION	156
8.4	MANDATORY ACTION	160
Chapter 9 DEVELOPMENT OF LEGAL EVIDENCE		163
9.1	INTRODUCTION	163
9.2	INSPECTION	163
9.3	RESPONSIBILITY FOR VIOLATION	164
9.4	VIOLATIONS	164
9.5	EVIDENCE	165
Chapter 10 SPECIAL INVESTIGATIONS		171
10.1	OBJECTIVE	171
10.2	CONSUMER COMPLAINTS	171
10.3	DAMAGED FOODS	173
10.4	PRODUCT SALVAGE AND DISPOSITION	175
10.5	RESUMPTION OF NORMAL ACTIVITIES	179
Chapter 11 FOODBORNE DISEASES		181
11.1	INTRODUCTION	181
11.2	CAUSES	182
11.3	RESERVOIRS AND SOURCES	183
11.4	TRANSMISSION	183
11.5	CLINICAL FEATURES	185
11.6	EPIDEMIOLOGY OF FOODBORNE DISEASES	186
11.7	FOOD HABITS	187
11.8	INVESTIGATION OF EPISODES OF ILLNESS	188
11.9	SURVEILLANCE OF FOODBORNE DISEASES	196
11.10	PRESERVATION AND CONTROL	197