1. SAFETY OF THE WATER THAT COMES INTO CONTACT WITH
FOOD OR FOOD-CONTACT SURFACES, OR IS USED IN THE
MANUFACTURE OF ICE.

Control Measures

All water used in the plant is from a reliable municipal water system. The
water system in the plant was designed and installed by a licensed
plumbing contractor, and meets current community building codes. All
modifications to the plumbing system will be completed by a licensed
plumbing contractor and will be inspected to ensure conformance with
local building codes. All hoses inside and outside the plant have anti-
siphoning devices installed. Floors are sloped to facilitate drainage.

Monitoring Procedures

The municipal water district routinely monitors the water to ensure that it
meets state and federal water quality standards. The quality assurance
supervisor receives and reviews annual reports of municipal water quality.

Twice a year, and when modifications are made to the plumbing system,
water samples from at least four locations in the plant are sent to a private
testing laboratory and examined for the presence of coliforms. Cultures
testing positive for coliforms are examined for the presence of fecal
coliforms. The quality assurance supervisor receives and reviews the
laboratory reports.

Hoses are inspected daily during production for the presence of
antisiphoning devices. Processing area floors are inspected daily during
production for adequate drainage.
Corrective Actions

In the event of municipal water treatment failure, the plant will stop production, determine when the failure occurred, and embargo all products produced during the failure until product safety can be assured. Production will resume only when water meets state and federal water quality standards.

If in-plant sampling indicates the presence of coliforms in more than 5% of plant water samples, the plant will contact the municipal water system and inspect the plumbing system to determine the source of the coliforms. Corrections will be made to the plumbing system, if necessary, to correct problems.

If in-plant sampling indicates the presence of fecal coliforms in any plant water sample, the plant will stop production and embargo all products until product safety can be assured. The plant will contact the municipal water system and inspect the plumbing system to determine the source of the fecal coliforms. Corrections will be made to the plumbing system, if necessary, to correct problems. Production will resume only when water meets state and federal water quality standards.

Hoses without antisiphoning devices will be red-tagged and will not be used until antisiphoning devices have been installed. Floors with standing water will have the drains unplugged, or, if necessary, consultations will be held with plumbing or general contractors and corrections will be made to correct floor drainage problems.

Record Keeping

Reports are kept for municipal water quality, in-plant water quality testing, and corrective actions. Hose inspections, floor drainage inspections, and corrective actions are recorded on the Daily Sanitation Report.
2. **CONDITION AND CLEANLINESS OF FOOD CONTACT SURFACES, INCLUDING UTENSILS, GLOVES, AND OUTER GARMENTS.**

**Control Measures**

Food-contact surfaces are adequately cleanable.

Food-contact surfaces are cleaned and sanitized twice each day during processing.

**In the morning before processing.** Food-contact surfaces are rinsed with cold water and sanitized with a 100-ppm sodium hypochlorite sanitizer.

**At the midday break.** Major solids are physically removed from floors, equipment, and food-contact surfaces. Equipment is disassembled as required for adequate cleaning. All surfaces are rinsed with cold water. Equipment and food-contact surfaces are scrubbed using brushes with a chlorinated alkaline cleaner in warm (120°F) water. All surfaces and floors are rinsed with cold water. Food-contact surfaces are sprayed with a 100-ppm sodium hypochlorite sanitizer solution. Floors are sanitized with a 400-ppm quaternary ammonium chloride sanitizer solution. Utensils are cleaned in a deep sink with a chlorinated alkaline cleaner, rinsed in hot water (190°F), soaked in a 100-ppm sodium hypochlorite sanitizer for at least 10 minutes, and rinsed in hot water (190°F) prior to use.

**At the end of the shift.** Major solids are physically removed from floors, equipment, and food-contact surfaces. Equipment is disassembled as required for adequate cleaning. All surfaces are rinsed with cold water. Equipment and food-contact surfaces are scrubbed using brushes with a chlorinated alkaline cleaner in warm (120°F) water. All surfaces and floors are rinsed with cold water. Floors and walls are sprayed with a 400-ppm quaternary ammonium chloride sanitizer solution. Utensils are cleaned in a deep sink with a chlorinated alkaline cleaner, rinsed in hot water (190°F), soaked in a 100-ppm sodium hypochlorite sanitizer for at least 10 minutes, and air-dried.

Workers working with raw and cooked products wear clean gloves, waterproof aprons and waterproof boots. Waterproof aprons are cleaned and sanitized twice each day, at the midday break and at the end of the
shift. Administrative personnel wear smocks and waterproof boots when in processing areas. Smocks are laundered in-house as needed. Maintenance workers wear gray uniforms and waterproof boots. Uniforms are laundered in-house as needed.

**Monitoring Procedures**

The sanitation supervisor inspects food-contact surfaces to determine if they are adequately cleanable and are clean and sanitized before processing begins and after each clean-up period. Production supervisors monitor the use of gloves and the cleanliness of workers outer garments.

**Corrective Actions**

Food-contact surfaces that are not adequately cleanable are repaired or replaced. Food-contact surfaces that are not clean are recleaned. Gloves that become a potential source of contamination are cleaned and sanitized or replaced. Outer garments that become a potential source of contamination are cleaned and sanitized or replaced.

**Record Keeping**

Condition of food-contact surfaces, sanitation inspections, use and cleanliness of gloves, cleanliness of worker outer garments, and corrective actions are noted on the Daily Sanitation Report.

3. **PREVENTION OF CROSS-CONTAMINATION FROM INSANITARY OBJECTS TO FOOD, FOOD-PACKAGING MATERIAL AND OTHER FOOD CONTACT SURFACES, INCLUDING UTENSILS, GLOVES, AND OUTER GARMENTS, AND FROM RAW PRODUCT TO COOKED PRODUCT.**

**Control Measures**

Production supervisors have received basic food sanitation training. Workers wear hairnets, headbands, caps, beard covers, or other effective hair restraints and do not wear jewelry or other objects that might fall into the product, equipment, or containers. Workers wear disposable gloves and replaced them as needed. Workers wash their hands and gloves thoroughly and sanitize them before starting work, after each absence.
from their workstation, and anytime they have become soiled or contaminated.

Clothing and personal belongings are not stored in production areas. Workers do not eat food, chew gum, drink beverages, or use tobacco in production areas. Workers wear aprons (white aprons preferred) in production areas.

Plant buildings are maintained in good repair. Raw-product processing and cooked-product processing areas are separated. Drip or condensate does not contaminate food or packaging materials. Safety-type light fixtures are used in processing and packaging areas. Coolers, including the evaporators, are cleaned annually, or more often if needed. Nonfood-contact surfaces in processing and packaging areas are cleaned daily at the end of the shift.

Raw and cooked products are physically separated in coolers. Packaging materials are protected from contamination during storage.

**Monitoring Procedures**
Food Safety Manager schedules basic food sanitation courses for new production supervisors.

Production supervisors monitor hair restraint use, glove use, hand washing, personal belonging storage, eating and drinking in processing areas.

Food Safety Manager monitors use of proper sanitation equipment and removal of waste from processing areas.

Sanitation supervisor inspects plant and coolers before processing begins. Sanitation supervisor inspects packaging material storage area before each production run.

**Corrective Actions**

New production supervisors receive basic sanitation instruction.

Workers correct deficiencies in hair restraint use, glove use, hand washing, personal belonging storage, eating and drinking in processing areas before working with raw products.
Sanitation equipment that is being used in the wrong plant area is cleaned and sanitized and exchanged for correct equipment. Sanitation supervisor initiates correction of any potentially contaminating condition.

**Record Keeping**

Training records indicate that production supervisors have received basic food sanitation training.

Hair restraint use, glove use, hand washing, personal belonging storage, eating and drinking in processing areas, use of proper sanitation equipment, and corrective actions are noted on the Daily Sanitation Report.

4. **MAINTENANCE OF HAND WASHING, HAND SANITIZING, AND TOILET FACILITIES.**

**Control Measures**

Toilet facilities are provided off the worker's dressing room, physically separated from processing areas. Toilet facilities have self-closing doors, are maintained in good repair, and are cleaned and sanitized daily at the end of the shift.

Hand washing facilities are provided in raw and cooked processing areas and in the toilet facility. Hand washing facilities have: hot and cold running water with liquid sanitizing hand soap; hand sanitizer solutions; sanitary towel service; Signs directing workers to wash their hands and gloves thoroughly and sanitize them before starting work, after each absence from their workstation, and anytime they have become soiled or contaminated; and refuse receptacles.

**Monitoring Procedures**

Sanitation supervisor inspects the toilet facilities and hand-washing facilities before and after each production run.
Corrective Actions

Sanitation supervisor initiates cleaning of dirty toilet facilities and correction of any potentially contaminating condition. Repair needs are reported to the plant manager.

Record Keeping

Inspections of toilet and hand washing facilities and corrective actions are noted on the Daily Sanitation Report.

5. PROTECTION OF FOOD, FOOD-PACKAGING MATERIAL, AND FOOD-CONTACT SURFACES FROM ADULTERATION WITH LUBRICANTS, FUEL, PESTICIDES, CLEANING COMPOUNDS, SANITIZING AGENTS, CONDENSATE, AND OTHER CHEMICAL, PHYSICAL, AND BIOLOGICAL CONTAMINANTS.

Control Measures

Cleaning compounds, sanitizers and lubricants used in processing and packaging areas are listed in the U.S. Department of Agriculture, Food Safety and Inspection Service's "List of Proprietary Substances and Nonfood Compounds Authorized for use under USDA Inspection and Grading Programs" (FSIS Miscellaneous Publication No. 1419). Food-grade and non-food-grade chemicals and lubricants are stored separately outside processing and packaging areas. Food, food-packaging materials and food-contact surfaces are protected from adulteration from biological, chemical and physical contaminants.

Monitoring Procedures

Invoices are checked at receiving before chemicals are stored in the food-grade chemical storage area. Sanitation supervisor inspects chemical storage areas daily and inspects processing and packaging areas daily before production begins.
Corrective Actions

Unapproved chemicals are returned or used in non-processing areas. Improperly stored chemicals are moved to the correct storage area. Sanitation supervisor initiates correction of any potentially contaminating condition. Repairs are made as needed.

Record Keeping

Invoices are kept for food-grade chemicals and lubricants. Chemical storage area, processing and packaging area inspections and corrective actions are noted on the Daily Sanitation Report.

6. LABELING, STORAGE, AND USE OF TOXIC COMPOUNDS.

Cleaning compounds, sanitizing agents, lubricants, and pesticide chemicals are properly labeled and are stored outside processing and packaging areas and separately from packaging materials. Food-grade chemicals and lubricants are stored separately from non-food-grade chemicals and lubricants.

Monitoring Procedures

Sanitation supervisor inspects chemical storage areas daily.

Corrective Actions

Unlabeled chemicals are removed from storage areas and properly disposed. Improperly stored chemicals are moved to correct storage areas.

Record Keeping

Chemical storage area inspections and corrective actions are noted on the Daily Sanitation Report.
7. CONTROL OF EMPLOYEE HEALTH CONDITIONS THAT COULD RESULT IN THE MICROBIOLOGICAL CONTAMINATION OF FOOD, FOOD-PACKAGING MATERIALS, AND FOOD-CONTACT SURFACES.

Control Measures

Workers are instructed to report to their immediate supervisor any health condition that might result in food contamination.

Monitoring Procedures

Supervisors report suspected health problems to the food safety manager. The plant manager decides if a potential food contamination situation exists.

Corrective Actions

Workers who represent a potential risk are sent home or reassigned to non-food-contact jobs.

Record Keeping

Worker health and corrective actions are noted on the Daily Sanitation Report.

8. EXCLUSION OF PESTS FROM THE FOOD PLANT.

Control Measures

A pest management firm treats the outside of the building every other month. They also inspect the interior of the building and treat as necessary with appropriate chemicals. Plant grounds and interior areas are kept free of litter, waste, and other conditions that might attract pests. Outer plant doors are kept closed, processing areas are screened with plastic curtains, and electric bug-killing devices are located outside entrances to processing areas. No pets are allowed in the plant. Supervisors report any pest problems to the plant manager.
**Monitoring Procedures**

The plant manager reviews reports of pest treatment. The sanitation supervisor inspects the plant's exterior and interior daily.

**Corrective Actions**

The pest management firm is notified of any pest problem and treats the problem. Pest treatments are more frequent if problems are identified.

**Record Keeping**


Revised: 03/01/2014
Reviewed by
Date:
Appendix I
SSOP Records

1. Municipal water quality reports and corrective actions are reviewed and kept on file for two years.
2. In-plant water quality testing and corrective actions are reviewed and kept on file for two years.
3. Daily Sanitation Reports are reviewed and kept on file for two years.
4. Invoices for food-grade chemicals and lubricants are reviewed and kept on file for two years.
5. Records of pest treatment are reviewed and kept on file for two years.

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