HACCP-Based Standard Operating Procedures

**Edited for Wyoming**

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### REVIEWERS

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### PILOT TEST

We are grateful to the State agencies, state school nutrition associations, and the school nutrition professionals in the 29 states who participated in the pilot test.

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### Background

The U.S. Department of Agriculture (USDA) has issued guidance for the implementation of Hazard Analysis and Critical Control Point (HACCP) -based food safety programs in schools participating in the National School Lunch Program (NSLP) or the School Breakfast Program (SBP). Section 111 of the Child Nutrition and WIC Reauthorization Act of 2004 (Public Law 108-265) amended section 9(h) of the Richard B. Russell National School Lunch Act by requiring school food authorities (SFAs) to implement a food safety program for the preparation and service of school meals served to children. The requirement is effective in the school year beginning July 1, 2005. The food safety program must be based on HACCP principles as outlined in the guidance.

All SFAs must have a fully implemented food safety program that complies with HACCP principles or with the optional guidance no later than the end of the 2005–2006 school year. For information specific to the implementation of the guidance in your state, contact your State Agency.

### HACCP-Based Standard Operating Procedures (SOPs)

The National Food Service Management Institute (NFSMI) has developed HACCP-based Standard Operating Procedures in conjunction with USDA and FDA. Although the NFSMI SOPs include HACCP-based principles, you should remember that SOPs are only one component of your overall food safety program.

This resource provides sample HACCP-based Standard Operating Procedures (SOPs) and worksheets which contain the minimum elements that can assist you when developing your food safety program. Print the HACCP-based SOPs and complete the worksheets which have been included in this resource and you will see a model for developing your food safety program.

HACCP-based SOPs include the following principles:

* Corrective actions
* Monitoring procedures
* Verification procedures
* Record keeping procedures

Your food safety program should be specific to meet the needs of each food production and food service facility in your district. You may need to modify the SOPs and worksheets so they comply with your State and local requirements. Additional information that will assist you in the development of your food safety program is forthcoming and will be placed on the NFSMI Web site at: [www.nfsmi.org](http://www.nfsmi.org/) .

Adapted from: United States Department of Agriculture, Food and Nutrition Service. (June 2005). *Guidance for School Food Authorities: Developing a School Food Service Program Based on the Process Approach to HACCP Principles.* United States Department of Agriculture, Food and Nutrition Service. Author. <http://www.fns.usda.gov/cnd/lunch/Downloadable/HACCPGuidance.pdf>

## Cleaning and Sanitizing Food Contact Surfaces

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that all food contact surfaces are properly cleaned and sanitized.

**SCOPE:** This procedure applies to employees involved in cleaning and sanitizing food contact surfaces.

**KEY WORDS:** Food Contact Surface, Cleaning, Sanitizing

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Follow manufacturer’s instructions regarding the use and maintenance of equipment and use of chemicals for cleaning and sanitizing food contact surfaces. Refer to **Storing and Using Poisonous or Toxic Chemicals SOP**.
4. State or local requirements are based on the *2009 FDA Food Code*, wash, rinse, and sanitize food contact surfaces of sinks, tables, equipment, utensils, thermometers, carts, and equipment:
   * Before each use
   * Between uses when preparing different types of raw animal foods, such as eggs, fish, meat, and poultry
   * Between uses when preparing ready-to-eat foods and raw animal foods, such as eggs, fish, meat, and poultry
   * Any time contamination occurs or is suspected
5. Wash, rinse, and sanitize food contact surfaces of sinks, tables, equipment, utensils, thermometers, carts, and equipment using the following procedure:
   * Wash surface with detergent solution.
   * Rinse surface with clean water.
   * Sanitize surface using a sanitizing solution mixed at a concentration specified on the manufacturer’s label.
   * Place wet items in a manner to allow air drying.

## Cleaning and Sanitizing Food Contact Surfaces, continued

(Sample SOP)

### INSTRUCTIONS, continued:

1. If a 3-compartment sink is used, setup and use the sink in the following manner:
   * In the first compartment, wash with a clean detergent solution at or above 110 oF or at the temperature specified by the detergent manufacturer.
   * In the second compartment, rinse with clean water.
   * In the third compartment, sanitize with a sanitizing solution mixed at a concentration specified on the manufacturer’s label or by immersing in hot water at or above 171 oF for 30 seconds. Test the chemical sanitizer concentration by using an appropriate test kit.
2. If a dishmachine is used:
   * Check with the dishmachine manufacturer to verify that the information on the data plate is correct.
   * Refer to the information on the data plate for determining wash, rinse, and sanitization (final) rinse temperatures; sanitizing solution concentrations; and water pressures, if applicable.
   * Follow manufacturer’s instructions for use.
   * Ensure that food contact surfaces reach a surface temperature of 160 oF or above if using hot water to sanitize.

### MONITORING:

Employees will:

1. During all hours of operation, visually and physically inspect food contact surfaces of equipment and utensils to ensure that the surfaces are clean.
2. In a 3-compartment sink, on a daily basis:
   * Visually monitor that the water in each compartment is clean.
   * Take the water temperature in the first compartment of the sink by using a calibrated thermometer.
   * If using chemicals to sanitize, test the sanitizer concentration by using the appropriate test kit for the chemical.
   * If using hot water to sanitize, use a calibrated thermometer to measure the water temperature. Refer to Using and Calibrating Thermometers SOPs.

## Cleaning and Sanitizing Food Contact Surfaces, continued (Sample SOP)

### CORRECTIVE ACTION, continued:

Retest. If the proper sanitizer concentration level is not achieved, stop using the machine and contact the appropriate individual(s) to have it repaired. Use a 3-compartment sink to wash, rinse, and sanitize until the machine is repaired.

### VERIFICATION AND RECORD KEEPING:

Employees will record monitoring activities and any corrective action taken on the Food Contact Surfaces Cleaning and Sanitizing Log. The manager will verify that employees have taken the required temperatures and tested the sanitizer concentration by visually monitoring employees during the shift and reviewing, initialing, and dating the Food Contact Surfaces Cleaning and Sanitizing Log. The log will be kept on file for at least 1 year. The manager will complete the Food Safety Checklist daily. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

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## Controlling Time and Temperature During Preparation

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by limiting the amount of time that potentially hazardous foods are held in the temperature danger zone during preparation.

**SCOPE:** This procedure applies to employees who prepare food.

**KEY WORDS:** Cross-Contamination, Time and Temperature Control, Food Preparation, Temperature Danger Zone

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. Refer to the **Using and Calibrating Thermometers SOP**.
2. Follow State or local health department requirements.
3. Wash hands prior to preparing foods. Refer to the **Washing Hands SOP**.
4. Use clean and sanitized equipment and utensils while preparing food.
5. Separate raw foods from ready-to-eat foods by keeping them in separate containers until ready to use and by using separate dispensing utensils. Refer to **the Preventing Cross-Contamination During Storage and Preparation SOP**.
6. Pre-chill ingredients for cold foods, such as sandwiches, salads, and cut melons, to 41 ºF or below before combining with other ingredients.
7. Prepare foods as close to serving times as the menu will allow.
8. Prepare food in small batches.
9. Limit the time for preparation of any batches of food so that ingredients are not at room temperature for more than 30 minutes before cooking, serving, or being returned to the refrigerator.
10. If potentially hazardous foods are not cooked or served immediately after preparation, quickly chill. Refer to the **Cooling Potentially Hazardous Foods SOP** and **Date Marking SOP**.

### MONITORING:

1. Use a clean, sanitized, and calibrated probe thermometer, preferably a thermocouple.
2. Take at least two internal temperatures from each pan of food at various stages of preparation.
3. Monitor the amount of time that food is in the temperature danger zone. It should not exceed 4 hours.

# HACCP-Based SOPs

## Controlling Time and Temperature During Preparation, continued

(Sample SOP)

### CORRECTIVE ACTIONS:

1. Retrain any employee found not following the procedures in this SOP.
2. Begin the cooking process immediately after preparation is complete for any foods that will be served hot.
3. Rapidly cool ready-to-eat foods or foods that will be cooked at a later time.
4. Immediately return ingredients to the refrigerator if the anticipated preparation completion time is expected to exceed 30 minutes.
5. Discard food held in the temperature danger zone for more than 4 hours.

### VERIFICATION AND RECORD KEEPING:

Employees will record the date, product name, start and end times of production, the two temperature measurements taken, any corrective actions taken, and the amount of food prepared on the Production Log. The manager will verify that employees are taking the required temperatures and following the proper preparation procedure by visually monitoring employees during the shift and reviewing, initialing, and dating the Production Log daily. Maintain the Production Log as directed by your State agency. The manager will complete the Food Safety Checklist daily. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

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## Cooking Potentially Hazardous Foods

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that all foods are cooked to the appropriate internal temperature.

**SCOPE:** This procedure applies to employees who prepare or serve food.

**KEY WORDS:** Cross-Contamination, Temperatures, Cooking

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. Refer to the **Using and Calibrating Thermometers SOP**.
2. Follow State or local health department requirements.
3. If a recipe contains a combination of meat products, cook the product to the highest required temperature.
4. If State or local health department requirements are based on the *2009 FDA Food Code*, cook products to the following temperatures:
   1. 145 ºF for 15 seconds
      * Seafood, beef, and pork
      * Eggs cooked to order that are placed onto a plate and immediately served
   2. 155 ºF for 15 seconds
      * Ground products containing beef, pork, or fish
      * Fish nuggets or sticks
      * Eggs held on a steam table
      * Cubed or Salisbury steaks
   3. 165 ºF for 15 seconds
      * Poultry
      * Stuffed fish, pork, or beef
      * Pasta stuffed with eggs, fish, pork, or beef (such as lasagna or manicotti)
   4. 140 ºF for 15 seconds
      * Fresh, frozen, or canned fruits and vegetables that are going to be held on a steam table or in a hot box

## Cooking Potentially Hazardous Foods, continued

(Sample SOP)

### MONITORING:

1. Use a clean, sanitized, and calibrated probe thermometer, preferably a thermocouple.
2. Avoid inserting the thermometer into pockets of fat or near bones when taking internal cooking temperatures.
3. Take at least two internal temperatures from each batch of food by inserting the thermometer into the thickest part of the product which usually is in the center.
4. Take at least two internal temperatures of each large food item, such as a turkey, to ensure that all parts of the product reach the required cooking temperature.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Continue cooking food until the internal temperature reaches the required temperature.

### VERIFICATION AND RECORD KEEPING:

Employees will record product name, time, the two temperatures/times, and any corrective action taken on the Cooking and Reheating Temperature Log.

manager will verify that employees has taken the required cooking temperatures by visually monitoring employees and preparation procedures during the shift and reviewing, initialing, and dating the temperature log at the close of each day. The Cooking and Reheating Temperature Log is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

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## Cooling Potentially Hazardous Foods

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that all potentially hazardous foods are cooled properly.

**SCOPE:** This procedure applies to employees who prepare or serve food.

**KEY WORDS:** Cross-Contamination, Temperatures, Cooling, Holding

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. Refer to the **Using and Calibrating Thermometers SOP**.
2. Follow State or local health department requirements.
3. Modify menus, production schedules, and staff work hours to allow for implementation of proper cooling procedures.
4. Prepare and cool food in small batches.
5. Chill food rapidly using an appropriate cooling method:
   * Place food in shallow containers no more than 4 inches deep and uncovered on the top shelf in the back of the walk-in or reach-in cooler.
   * Use a quick-chill unit such as a blast chiller.
   * Stir the food in a container placed in an ice water bath.
   * Add ice as an ingredient.
   * Separate food into smaller or thinner portions.
   * Pre-chill ingredients and containers used for making bulk items such as salads.
6. If State or local requirements are based on the *2009 FDA Food Code*, chill cooked, hot food from:
   * 140 ºF to 70 ºF within 2 hours. Take corrective action immediately if food is not chilled from 140 ºF to 70 ºF within 2 hours.
   * 70 ºF to 41 ºF or below in remaining time. The total cooling process from 140 ºF to 41 ºF may not exceed 6 hours. Take corrective action immediately if food is not chilled from 140 ºF to 41 ºF within the 6 hour cooling process.
7. Chill prepared, ready-to-eat foods such as tuna salad and cut melons from 70 ºF to 41 ºF or below within 4 hours. Take corrective action immediately if ready-to-eat food is not chilled from 70 ºF to 41 ºF within 4 hours.

## Cooling Potentially Hazardous Foods, continued (Sample SOP)

### MONITORING:

1. Use a clean, sanitized, and calibrated probe thermometer to measure the internal temperature of the food during the cooling process.
2. Monitor temperatures of products every hour throughout the cooling process by inserting a probe thermometer into the center of the food and at various locations in the product.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Reheat cooked, hot food to 165 ºF for 15 seconds and start the cooling process again using a different cooling method when the food is:
   * Above 70 ºF and 2 hours or less into the cooling process; and
   * Above 41 ºF and 6 hours or less into the cooling process.
3. Discard cooked, hot food immediately when the food is:
   * Above 70 ºF and more than 2 hours into the cooling process; or
   * Above 41 ºF and more than 6 hours into the cooling process.
4. Use a different cooling method for prepared ready-to-eat foods when the food is above 41 ºF and less than 4 hours into the cooling process.
5. Discard prepared ready-to-eat foods when the food is above 41 ºF and more than 4 hours into the cooling process.

### VERIFICATION AND RECORD KEEPING:

Employees will record temperatures and corrective actions taken on the Cooling Temperature Log. Employees will record if there are no foods cooled on any working day by indicating “No Foods Cooled” on the Cooling Temperature Log. The manager will verify that employees are cooling food properly by visually monitoring employees during the shift and reviewing, initialing, and dating the temperature log each working day. The Cooling Temperature Logs are to be kept on file for a minimum of 1 year.

**DATE IMPLEMENTED: BY: DATE REVIEWED: BY: DATE REVISED: BY:**

## Date Marking Ready-to-Eat, Potentially Hazardous Food

(Sample SOP)

**PURPOSE:** To ensure appropriate rotation of ready-to-eat food to prevent or reduce foodborne illness from *Listeria monocytogenes.*

**SCOPE:** This procedure applies to employees who prepare, store, or serve food.

**KEY WORDS:** Ready-to-Eat Food, Potentially Hazardous Food, Date Marking, Cross-Contamination

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. The best practice for a date marking system would be to include a label with the product name, the day or date, and time it is prepared or opened. Examples of how to indicate when the food is prepared or opened include:
   * Labeling food with a calendar date, such as “cut cantaloupe, 5/26/05, 8:00 a.m.,”
   * Identifying the day of the week, such as “cut cantaloupe, Monday, 8:00 a.m.,” or
   * Using color-coded marks or tags, such as cut cantaloupe, blue dot, 8:00 a.m. means “cut on Monday at 8:00 a.m.”
2. Follow State or local health department requirements.
3. Label ready-to-eat, potentially hazardous foods that are prepared on-site and held for more than 24 hours.
4. Label any processed, ready-to-eat, potentially hazardous foods when opened, if they are to be held for more than 24 hours.
5. Refrigerate all ready-to-eat, potentially hazardous foods at 41 ºF or below.
6. Serve or discard refrigerated, ready-to-eat, potentially hazardous foods within 7 days.
7. Indicate with a separate label the date prepared, the date frozen, and the date thawed of any refrigerated, ready-to-eat, potentially hazardous foods.
8. Calculate the 7-day time period by counting only the days that the food is under refrigeration. For example:
   * On Monday, 8/1/05, lasagna is cooked, properly cooled, and refrigerated with a label that reads, “Lasagna, Cooked, 8/1/05.”
   * On Tuesday, 8/2/05, the lasagna is frozen with a second label that reads, “Frozen, 8/2/05.” Two labels now appear on the lasagna. Since the lasagna was held under refrigeration from Monday, 8/1/05 – Tuesday, 8/2/05, only 1 day is counted towards the 7-day time period.

### INSTRUCTIONS, continued:

* + On Tuesday 8/16/05 the lasagna is pulled out of the freezer. A third label is placed on the lasagna that reads, “Thawed, 8/16/05.” All three labels now appear on the lasagna. The lasagna must be served or discarded within 6 days.

### MONITORING:

A designated employee will check refrigerators daily to verify that foods are date marked and that foods exceeding the 7-day time period are not being used or stored.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Foods that are not date marked or that exceed the 7-day time period will be discarded.

### VERIFICATION AND RECORD KEEPING:

The manager will complete the Food Safety Checklist daily. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

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## Handling a Food Recall

(Sample SOP) **PURPOSE:** To prevent foodborne illness in the event of a product recall. **SCOPE:** This procedure applies to employees who prepare or serve food. **KEY WORDS:** Food Recalls

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Review the food recall notice and specific instructions that have been identified in the notice.
4. Communicate the food recall notice to feeding sites.
5. Hold the recalled product using the following steps:
   * Physically segregate the product, including any open containers, leftover product, and food items in current production that items contain the recalled product.
   * If an item is suspected to contain the recalled product, but label information is not available, follow the district’s procedure for disposal.
6. Mark recalled product “Do Not Use” and “Do Not Discard.” Inform the entire staff not to use the product.
7. Do not destroy any USDA commodity food without official written notification from the State Distributing Agency, USDA Food Safety Inspection Services (FSIS), or State or local health department.
8. Inform the school district’s public relations coordinator of the recalled product.
9. Identify and record whether any of the product was received in the district, locate the food recall product by feeding site, and verify that the food items bear the product identification code(s) and production date(s) listed in the recall notice.
10. Obtain accurate inventory counts of the recalled products from every feeding site, including the amount in inventory and amount used.
11. Account for all recalled product by verifying inventory counts against records of food received at the feeding site.

## Handling a Food Recall, continued

(Sample SOP)

### MONITORING:

Employees and manager will visually observe that school sites have segregated and secured all recalled products.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Determine if the recalled product is to be returned and to whom, or destroyed and by whom.
3. Notify feeding site staff of procedures, dates, and other specific directions to be followed for the collection or destruction of the recalled product.
4. Consolidate the recall product as quickly as possible, but no later than 30 days after the recall notification.
5. Conform to the recall notice using the following steps:
   * Report quantity and site where product is located to manufacturer, distributor, or State agency for collection. The quantity and location of the affected USDA commodity food must be submitted to the State Distributing Agency within 10 calendars days of the recall.
   * Obtain the necessary documents from the State Distributing Agency for USDA commodity foods. Submit necessary documentation for reimbursement of food costs.
   * Complete and maintain all required documentation related to the recall including:
     + Recall notice
     + Records of how food product was returned or destroyed
     + Reimbursable costs
     + Public notice and media communications
     + Correspondence to and from the public health department and State agency

### VERIFICATION AND RECORD KEEPING

Employees will record the name of the contaminated food, date, time, and the reason why the food was discarded on the Damaged or Discarded Product Log. The manager will verify that appropriate corrective actions are being taken by reviewing, initialing, and dating the Damaged or Discarded Product Log each day. Maintain the Damaged or Discarded Product Logs for a minimum of 1 year.

## Handling a Food Recall, continued

(Sample SOP)

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

### DATE REVISED: BY:

Adapted from: National Food Service Management Institute. (2002). *Responding to a Food Recall.* University, MS: Author.

## Holding Hot and Cold Potentially Hazardous Foods

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that all potentially hazardous foods are held under the proper temperature.

**SCOPE:** This procedure applies to employees who prepare or serve food.

**KEY WORDS:** Cross-Contamination, Temperatures, Holding, Hot Holding, Cold Holding, Storage

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. Refer to the **Using and Calibrating Thermometers SOP.**
2. Follow State or local health department requirements.
3. If State or local health department requirements are based on the *2009 FDA Food Code*:
   * Hold hot foods at 140 ºF or above
   * Hold cold foods at 41 ºF or below
4. Preheat steam tables and hot boxes.

### MONITORING:

1. Use a clean, sanitized, and calibrated probe thermometer to measure the temperature of the food.
2. Take temperatures of foods by inserting the thermometer near the surface of the product, at the thickest part, and at other various locations.
3. Take temperatures of holding units by placing a calibrated thermometer in the coolest part of a hot holding unit or warmest part of a cold holding unit.
4. For hot foods held for service:
   * Verify that the air/water temperature of any unit is at 140 ºF or above before use.
   * Reheat foods in accordance with the Reheating for Hot Holding SOP.
   * All hot potentially hazardous foods should be 140 ºF or above before placing the food out for display or service.
   * Take the internal temperature of food before placing it on a steam table or in a hot holding unit and at least every 2 hours thereafter.

## Holding Hot and Cold Potentially Hazardous Foods, continued

(Sample SOP)

### MONITORING, continued:

1. For cold foods held for service:
   * Verify that the air/water temperature of any unit is at 41 ºF or below before use.
   * Chill foods, if applicable, in accordance with the Cooling Potentially Hazardous Foods SOP.
   * All cold potentially hazardous foods should be 41 ºF or below before placing the food out for display or service.
   * Take the internal temperature of the food before placing it onto any salad bar, display cooler, or cold serving line and at least every 2 hours thereafter.
2. For cold foods in storage:
   * Take the internal temperature of the food before placing it into any walk-in cooler or reach-in cold holding unit.
   * Chill food in accordance with the Cooling Potentially Hazardous Foods SOP if the food is not 41 ºF or below.
   * Verify that the air temperature of any cold holding unit is at 41 ºF or below before use and at least every 4 hours thereafter during all hours of operation.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. For hot foods:
   * Reheat the food to 165 ºF for 15 seconds if the temperature is found to be below 140 ºF and the last temperature measurement was 140 ºF or higher and taken within the last 2 hours. Repair or reset holding equipment before returning the food to the unit, if applicable.
   * Discard the food if it cannot be determined how long the food temperature was below 140 ºF.
3. For cold foods:
   * Rapidly chill the food using an appropriate cooling method if the temperature is found to be above 41 ºF and the last temperature measurement was 41 ºF or below and taken within the last 2 hours:
     + Place food in shallow containers (no more than 4 inches deep) and uncovered on the top shelf in the back of the walk-in or reach-in cooler.
     + Use a quick-chill unit like a blast chiller.
     + Stir the food in a container placed in an ice water bath.
     + Add ice as an ingredient.
     + Separate food into smaller or thinner portions.

## Holding Hot and Cold Potentially Hazardous Foods, continued

(Sample SOP)

### CORRECTIVE ACTION, continued:

1. Repair or reset holding equipment before returning the food to the unit, if applicable.
2. Discard the food if it cannot be determined how long the food temperature was above 41 ºF.

### VERIFICATION AND RECORD KEEPING:

Employees will record temperatures of food items and document corrective actions taken on the Hot and Cold Holding Temperature Log. A designated employee will record air temperatures of coolers and cold holding units on the Refrigeration Logs. The manager will verify that employees have taken the required holding temperatures by visually monitoring employees during the shift and reviewing the temperature logs at the close of each day. The temperature logs are to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Personal Hygiene

(Sample SOP)

**PURPOSE:** To prevent contamination of food by employees.

**SCOPE:** This procedure applies to employees who handle, prepare, or serve food.

**KEY WORDS:** Personal Hygiene, Cross-Contamination, Contamination

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Follow the Employee Health Policy. (Employee health policy is not included in this resource.)
4. Report to work in good health, clean, and dressed in clean attire.
5. Change apron when it becomes soiled.
6. Wash hands properly, frequently, and at the appropriate times.
7. Keep fingernails trimmed, filed, and maintained so that the edges are cleanable and not rough.
8. Avoid wearing artificial fingernails and fingernail polish.
9. Wear single-use gloves if artificial fingernails or fingernail polish are worn.
10. Do not wear any jewelry except for a plain ring such as a wedding band.
11. Treat and bandage wounds and sores immediately. When hands are bandaged, single-use gloves must be worn.
12. Cover a lesion containing pus with a bandage. If the lesion is on a hand or wrist, cover with an impermeable cover such as a finger cot or stall and a single-use glove.
13. Eat, drink, use tobacco, or chew gum only in designated break areas where food or food contact surfaces may not become contaminated.
14. Taste food the correct way:
    * Place a small amount of food into a separate container.
    * Step away from exposed food and food contact surfaces.

## Personal Hygiene, continued (Sample SOP)

### INSTRUCTIONS, continued

* + Use a teaspoon to taste the food. Remove the used teaspoon and container to the dish room. Never reuse a spoon that has already been used for tasting.
  + Wash hands immediately.

1. Wear suitable and effective hair restraints while in the kitchen.

### MONITORING:

* + A designated employee will inspect employees when they report to work to be sure that each employee is following this SOP.
  + The designated employee will monitor that all employees are adhering to the personal hygiene policy during all hours of operation.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Discard affected food.

### VERIFICATION AND RECORD KEEPING:

The manager will verify that employees are following this SOP by visually observing the employees during all hours of operation. The manager will complete the Food Safety Checklist daily. Employees will record any discarded food on the Damaged or Discarded Product Log. The Food Safety Checklist and Damaged or Discarded Product Logs are to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Preventing Contamination at Food Bars

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that all items held on food bars are protected from contamination.

**SCOPE:** This procedure applies to anyone who is responsible for maintaining and monitoring the self-service food bars.

**KEY WORDS:** Contamination, Self-Service, Salad Bars, Food Bars

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Follow Employee Health Policy, **Personal Hygiene**, and **Washing Hands SOPs.** (Employee health policy is not included in this resource.)
4. Follow manufacturer’s instructions for pre-heating and pre-chilling food bar equipment before use.
5. Place all exposed food under sneeze guards.
6. Provide an appropriate clean and sanitized utensil for each container on the food bar.
7. Replace existing containers of food with new containers when replenishing the food bar.
8. Assist customers who are unable to properly use utensils.
9. Ensure that customers use a clean dish when returning to the food bar.
10. Store eating utensils with the handles up or in a manner to prevent customers from touching the food contact surfaces.
11. Avoid using spray chemicals to clean food bars when in use.

### MONITORING:

1. Monitor and record temperatures of food in accordance with the **Holding Hot and Cold Potentially Hazardous Foods SOP**.
2. Continually monitor food containers to ensure that utensils are stored on a clean and sanitized surface or in the containers with the handles out of the food.

## Preventing Contamination at Food Bars, continued (Sample SOP)

### MONITORING, continued:

1. Continually monitor customers’ use of the food bar to ensure that customers are not:
   * Touching food with their bare hands
   * Coughing, spitting, or sneezing on the food
   * Placing foreign objects in the food
   * Using the same plate for subsequent trips

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Remove and discard contaminated food.
3. Demonstrate to customers how to properly use utensils.
4. Discard the food if it cannot be determined how long the food temperature was above 41 ºF or below 140 ºF.

### VERIFICATION AND RECORD KEEPING:

The manager will verify that employees are assigned to maintain food bars during all hours of operation. Employees will record temperatures of food items and document corrective actions taken on the Hot and Cold Holding Temperature Log. The manager will complete the Food Safety Checklist daily. This form is to be kept on file for a minimum of 1 year. Employees will document any discarded food on the Damaged or Discarded Product Log. The manager will verify that appropriate corrective actions are being taken by reviewing, initialing, and dating the Damaged or Discarded Product Log each day. The Hot and Cold Holding Temperature Log and the Damaged or Discarded Product Log are to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Preventing Cross-Contamination During Storage and Preparation

(Sample SOP)

**PURPOSE:** To reduce foodborne illness by preventing unintentional contamination of food.

**SCOPE:** This procedure applies to anyone who is responsible for receiving, storing, preparing, and serving food.

**KEY WORDS:** Cross-Contamination, Preparation, Contamination, Storage, Receiving

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Wash hands properly. Refer to the **Washing Hands SOP**.
4. Avoid touching ready-to-eat food with bare hands. Refer to **Using Suitable Utensils When Handling Ready-To-Eat Foods SOP**.
5. Separate raw animal foods, such as eggs, fish, meat, and poultry, from ready-to-eat foods, such as lettuce, cut melons, and lunch meats during receiving, storage, and preparation.
6. Separate different types of raw animal foods, such as eggs, fish, meat, and poultry, from each other, except when combined in recipes.
7. Store raw animal foods in refrigerators or walk-in coolers by placing the raw animal foods on shelves in order of cooking temperatures with the raw animal food requiring the highest cooking temperature, such as chicken, on the lowest shelf.
8. Separate unwashed fruits and vegetables from washed fruits and vegetables and other ready-to-eat foods.
9. Use only dry, cleaned, and sanitized equipment and utensils. Refer to **Cleaning and Sanitizing Food Contact Surfaces SOP** for proper cleaning and sanitizing procedure.
10. Touch only those surfaces of equipment and utensils that will not come in direct contact with food.
11. Place food in covered containers or packages, except during cooling, and store in the walk-in refrigerator or cooler.

## Preventing Cross-Contamination During Storage and Preparation, continued (Sample SOP)

**INSTRUCTIONS, continued:**

1. Designate an upper shelf of a refrigerator or walk-in cooler as the “cooling” shelf. Uncover containers of food during the initial quick cool-down phase to facilitate cooling.
2. Clean the exterior surfaces of food containers, such as cans and jars, of visible soil before opening.
3. Store damaged goods in a separate location. Refer to **Segregating Damaged Goods SOP**.

### MONITORING:

A designated employee will continually monitor food storage and preparation to ensure that food is not cross-contaminated.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Separate foods found improperly stored.
3. Discard ready-to-eat foods that are contaminated by raw eggs, raw fish, raw meat, or raw poultry.

### VERIFICATION AND RECORD KEEPING:

The manager will visually observe that employees are following these procedures and taking all necessary corrective actions during all hours of operation. The manager will periodically check the storage of foods during hours of operation and complete the Food Safety Checklist daily. The Food Safety Checklist will be kept on file for a minimum of 1 year. Employees will document any discarded food on the Damaged and Discarded Product Log. The manager will verify that appropriate corrective actions are being taken by reviewing, initialing, and dating the Damaged and Discarded Product Log each day. The Damaged and Discarded Product Log is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Receiving Deliveries

(Sample SOP)

**PURPOSE:** To ensure that all food is received fresh and safe when it enters the operation and to transfer food to proper storage as quickly as possible.

**SCOPE:** This procedure applies to employees who handle, prepare, or serve food.

**KEY WORDS:** Cross-Contamination, Temperatures, Receiving, Holding, Frozen Goods, Delivery

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Schedule deliveries to arrive at designated times during operational hours.
4. Post the delivery schedule, including the names of vendors, days and times of deliveries, and drivers’ names.
5. Establish a rejection policy to ensure accurate, timely, consistent, and effective refusal and return of rejected goods.
6. Organize freezer and refrigeration space, loading docks, and store rooms before deliveries.
7. Gather product specification lists and purchase orders, temperature logs, calibrated thermometers, pens, flashlights, and clean loading carts before deliveries. Refer to the **Using and Calibrating Thermometers SOP**.
8. Keep receiving area clean and well lighted.
9. Do not touch ready-to-eat foods with bare hands.
10. Determine whether foods will be marked with the date arrival or the “use by” date and mark accordingly upon receipt.
11. Compare delivery invoice against products ordered and products delivered.
12. Transfer foods to their appropriate locations as quickly as possible.

## Receiving Deliveries, continued

(Sample SOP)

### MONITORING:

1. Inspect the delivery truck when it arrives to ensure that it is clean, free of putrid odors, and organized to prevent cross- contamination. Be sure refrigerated foods are delivered on a refrigerated truck.
2. Check the interior temperature of refrigerated trucks.
3. Confirm vendor name, day and time of delivery, as well as driver’s identification before accepting delivery. If driver’s name is different from what is indicated on the delivery schedule, contact the vendor immediately.
4. Check frozen foods to ensure that they are all frozen solid and show no signs of thawing and refreezing, such as the presence of large ice crystals or liquids on the bottom of cartons.
5. Check the temperature of refrigerated foods.
   1. For fresh meat, fish, and poultry products, insert a clean and sanitized thermometer into the center of the product to ensure a temperature of 41 ºF or below. The temperature of milk should be 45 ºF or below.
   2. For packaged products, insert a food thermometer between two packages being careful not to puncture the wrapper. If the temperature exceeds 41 ºF, it may be necessary to take the internal temperature before accepting the product.
   3. For eggs, the interior temperature of the truck should be 45 ºF or below.
6. Check dates of milk, eggs, and other perishable goods to ensure safety and quality.
7. Check the integrity of food packaging.
8. Check the cleanliness of crates and other shipping containers before accepting products. Reject foods that are shipped in dirty crates.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Reject the following:
   * Frozen foods with signs of previous thawing
   * Cans that have signs of deterioration, such as swollen sides or ends, flawed seals or seams, dents, or rust
   * Punctured packages
   * Foods with out-dated expiration dates
   * Foods that are out of safe temperature zone or deemed unacceptable by the established rejection policy

## Receiving Deliveries, continued

(Sample SOP)

### VERIFICATION AND RECORD KEEPING:

Record the temperature and the corrective action on the delivery invoice or on the Receiving Log. The manager will verify that employees are receiving products using the proper procedure by visually monitoring receiving practices during the shift and reviewing the Receiving Log at the close of each day. Receiving Logs are kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Reheating Potentially Hazardous Foods

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that all foods are reheated to the appropriate internal temperature.

**SCOPE:** This procedure applies to employees who prepare or serve food.

**KEY WORDS:** Cross-Contamination, Temperatures, Reheating, Holding, Hot Holding

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. Refer to the **Using and Calibrating Thermometers SOP**.
2. Follow State or local health department requirements.
3. If State or local requirements are based on the *2009 FDA Food Code,* heat processed, ready-to-eat foods from a package or can, such as canned green beans or prepackaged breakfast burritos, to an internal temperature of at least 140 ºF for 15 seconds for hot holding.
4. Reheat the following products to 165 ºF for 15 seconds:
   * Any food that is cooked, cooled, and reheated for hot holding
   * Leftovers reheated for hot holding
   * Products made from leftovers, such as soup
   * Precooked, processed foods that have been previously cooled
5. Reheat food for hot holding in the following manner if using a microwave oven:
   * Heat processed, ready-to-eat foods from a package or can to at least 140 ºF for 15 seconds
   * Heat leftovers to 165 ºF for 15 seconds
   * Rotate (or stir) and cover foods while heating
   * Allow to sit for 2 minutes after heating
6. Reheat all foods rapidly. The total time the temperature of the food is between 41 ºF and 165 ºF may not exceed 2 hours.
7. Serve reheated food immediately or transfer to an appropriate hot holding unit.

## Reheating Potentially Hazardous Foods, continued

(Sample SOP)

### MONITORING:

1. Use a clean, sanitized, and calibrated probe thermometer.
2. Take at least two internal temperatures from each pan of food.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Continue reheating and heating food if the internal temperature does not reach the required temperature.

### VERIFICATION AND RECORD KEEPING:

Employees will record product name, time, the two temperatures/times, and any corrective action taken on the Cooking and Reheating Temperature Log. Manager will verify that employees have taken the required reheating temperatures by visually monitoring employees during the shift and reviewing, initialing, and dating the Cooking and Reheating Temperature Log at the close of each day. The temperature logs are kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Serving Food

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that all foods are served in a sanitary manner.

**SCOPE:** This procedure applies to employees who serve food.

**KEY WORDS:** Cross-Contamination, Service

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. Refer to the **Using and Calibrating Thermometers SOP**.
2. Follow State or local health department requirements.
3. Follow the employee health policy. (Employee health policy is not included in this resource.)
4. Wash hands before putting on gloves, each time the gloves are changed, when changing tasks, and before serving food with utensils. Refer to the **Washing Hands SOP**.
5. Avoid touching ready-to-eat foods with bare hands. Refer to the Using **Suitable Utensils when Handling Ready-To-Eat Foods SOP**.
6. Handle plates by the edge or bottom; cups by the handle or bottom; and utensils by the handles.
7. Store utensils with the handles up or by other means to prevent contamination.
8. Hold potentially hazardous food at the proper temperature. Refer to the **Holding Hot and Cold Potentially Hazardous Foods SOP**.
9. Serve food with clean and sanitized utensils.
10. Store in-use utensils properly. Refer to the **Storing In-Use Utensils SOP**.
11. Date mark and cool potentially hazardous foods or discard leftovers. Refer to the **Date Marking Ready-to-Eat, Potentially Hazardous Foods** and **Cooling Potentially Hazardous Foods SOPs**.

## Serving Food, continued

(Sample SOP)

### MONITORING:

A designated employee will visually observe that food is being served in a manner that prevents contamination during all hours of service.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Replace improperly handled plates, cups, or utensils.
3. Discard ready-to-eat food that has been touched with bare hands.

### Follow the corrective actions identified in the Washing Hands; Using Suitable Utensils When Handling Ready-To-Eat Foods; Date Marking Ready-to-Eat, Potentially Hazardous Foods; Cooling Potentially Hazardous Foods; and Holding Hot and Cold Potentially Hazardous Foods SOPs.

**VERIFICATION AND RECORD KEEPING:**

The manager will periodically check the storage and use of utensils during service. In addition, the manager will complete the Food Safety Checklist daily. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Storing and Using Poisonous or Toxic Chemicals

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by chemical contamination.

**SCOPE:** This procedure applies to employees who use chemicals in the kitchen.

**KEY WORDS:** Chemicals, Cross-Contamination, Contamination, Material Safety Data Sheet

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Designate a location for storing the Material Safety Data Sheets (MSDS).
4. Follow manufacturer’s directions for specific mixing, storing, and first aid instructions on the chemical containers in the MSDS.
5. Label and date all poisonous or toxic chemicals with the common name of the substance.
6. Store all chemicals in a designated secured area away from food and food contact surfaces using spacing or partitioning.
7. Limit access to chemicals by use of locks, seals, or key cards.
8. Maintain an inventory of chemicals.
9. Store only chemicals that are necessary to the operation and maintenance of the kitchen.
10. Mix, test, and use sanitizing solutions as recommended by the manufacturer and the State or local health department.
11. Use the appropriate chemical test kit to measure the concentration of sanitizer each time a new batch of sanitizer is mixed.
12. Do not use chemical containers for storing food or water.
13. Use only hand sanitizers that comply with the *2009 FDA Food Code.* Confirm with the manufacturer that the hand sanitizers used meet the requirements of the *2009 FDA Food Code.*

## Storing and Using Poisonous or Toxic Chemicals, continued (Sample SOP)

### INSTRUCTIONS, continued:

1. Label and store first aid supplies in a container that is located away from food or food contact surfaces.
2. Label and store medicines for employee use in a designated area and away from food contact surfaces. Do not store medicines in food storage areas.
3. Store refrigerated medicines in a covered, leak proof container where they are not accessible to children and cannot contaminate food.

### MONITORING:

Employees and manager will visually observe that chemicals are being stored, labeled, and used properly during all hours of operation.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Discard any food contaminated by chemicals.
3. Label and properly store any unlabeled or misplaced chemicals.

### VERIFICATION AND RECORD KEEPING:

The manager will complete the Food Safety Checklist daily to indicate that monitoring is completed. Employees will record the name of the contaminated food, date, time, and the reason why the food was discarded on the Damaged and Discarded Product Log. The manager will verify that appropriate corrective actions are being taken by reviewing, initialing, and dating the Damaged and Discarded Product Log each day. The Food Safety Checklist and Damaged and Discarded Product Logs are kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Transporting Food to Remote Sites (Satellite Kitchens)

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that food temperatures are maintained during transportation and contamination is prevented.

**SCOPE:** This procedure applies to employees who transport food from a central kitchen to remote sites (satellite kitchens).

**KEY WORDS:** Hot Holding, Cold Holding, Reheating, Cooling, Transporting Food

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. If State or local health department requirements are based on the *2009 FDA Food Code*:
   * Keep frozen foods frozen during transportation.
   * Maintain the temperature of refrigerated, potentially hazardous foods at 41 ºF or below and cooked foods that are transported hot at 140 ºF or above.
4. Use only food carriers for transporting food approved by the National Sanitation Foundation International or that have otherwise been approved by the state or local health department.
5. Prepare the food carrier before use:
   * Ensure that all surfaces of the food carrier are clean.
   * Wash, rinse, and sanitize the interior surfaces.
   * Ensure that the food carrier is designed to maintain cold food temperatures at 41 ºF and hot food temperatures at 140 ºF or above.
   * Place a calibrated stem thermometer in the warmest part of the carrier if used for transporting cold food, or the coolest part of the carrier if used for transporting hot food. Refer to the **Using and Calibrating Thermometers SOP**.
   * Pre-heat or pre-chill the food carrier according to the manufacturer’s recommendations.

## Transporting Food to Remote Sites (Satellite Kitchens), continued

(Sample SOP)

### INSTRUCTIONS, continued:

1. Store food in containers suitable for transportation. Containers should be:
   * Rigid and sectioned so that foods do not mix
   * Tightly closed to retain the proper food temperature
   * Nonporous to avoid leakage
   * Easy-to-clean or disposable
   * Approved to hold food
2. Place food containers in food carriers and transport the food in clean trucks, if applicable, to remote sites as quickly as possible.
3. Follow **Receiving Deliveries SOP** when food arrives at remote site.

### MONITORING:

1. Check the air temperature of the food carrier to ensure that the temperature suggested by the manufacturer is reached prior to placing food into it.
2. Check the internal temperatures of food using a calibrated thermometer before placing it into the food carrier. Refer to the Holding Hot and Cold Potentially Hazardous Foods SOP for the proper procedures to follow when taking holding temperatures.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Continue heating or chilling food carrier if the proper air temperature is not reached.
3. Reheat food to 165 ºF for 15 seconds if the internal temperature of hot food is less than 140 ºF. Refer to **the Reheating Potentially Hazardous Foods SOP**.
4. Cool food to 41 ºF or below using a proper cooling procedure if the internal temperature of cold food is greater than 41 ºF. Refer to the **Cooling Potentially Hazardous Foods SOP** for the proper procedures to follow when cooling food.
5. Discard foods held in the danger zone for greater than 4 hours.

## Transporting Food to Remote Sites (Satellite Kitchens), continued

(Sample SOP)

### VERIFICATION AND RECORD KEEPING:

Before transporting food to remote sites, employees will record food carrier temperature, food product name, time, internal temperatures, and any corrective action taken on the Hot and Cold Holding Temperature Log. Upon receipt of food at remote sites, employees will record receiving temperatures and corrective action taken on the Receiving Log. The manager at central kitchens will verify that employees are following this SOP by visually observing employees and reviewing and initialing the Hot and Cold Holding Temperature Log daily. The manager at the remote site(s) will verify that employees are receiving foods at the proper temperature and following the proper receiving procedures by visually observing receiving practices during the shift and reviewing and initialing the Receiving Log daily. All logs are kept on file for a minimum of 1 year. The manager will complete the Food Safety Checklist daily. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Using and Calibrating Thermometers

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that the appropriate type of thermometer is used to measure internal product temperatures and that thermometers used are correctly calibrated for accuracy.

**SCOPE:** This procedure applies to employees who prepare, cook, and cool food.

**KEY WORDS:** Thermometers, Calibration

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Follow the food thermometer manufacturer’s instructions for use. Use a food thermometer that measures temperatures from 0 ºF (-18 ºC) to 220 ºF (104 ºC) and is appropriate for the temperature being taken. For example:
   * Temperatures of thin products, such as hamburgers, chicken breasts, pizza, filets, nuggets, hot dogs, and sausage patties, must be taken using a thermistor or thermocouple with a thin probe.
   * Bimetallic, dial-faced stem thermometers are accurate only when measuring temperatures of thick foods. They may not be used to measure temperatures of thin foods. A dimple mark located on the stem of the thermometer indicates the maximum food thickness that can be accurately measured.
   * Use only oven-safe, bimetallic thermometers when measuring temperatures of food while cooking in an oven.
4. Have food thermometers easily-accessible to employees during all hours of operation.
5. Clean and sanitize food thermometers before each use. Refer to **the Cleaning and Sanitizing Food Contact Surfaces SOP** for the proper procedure to follow.
6. Store food thermometers in an area that is clean and where they are not subject to contamination.

## Using and Calibrating Thermometers, continued

(Sample SOP)

### MONITORING:

1. Employees will use either the ice-point method or boiling-point method to verify the accuracy of food thermometers. This is known as calibration of the thermometer.
2. To use ice-point method:
   * Insert the thermometer probe into a cup of crushed ice.
   * Add enough cold water to remove any air pockets that might remain.
   * Allow the temperature reading to stabilize before reading temperature.
   * Temperature measurement should be 32 ºF (+ 2 ºF) [or 0 ºC (+ 1 ºC)]. If not, adjust according to manufacturer’s instructions.
3. To use boiling-point method:
   * Immerse at least the first two inches of the probe into boiling water.
   * Allow the temperature reading to stabilize before reading temperature.
   * Reading should be 212 ºF (+ 2 ºF) [or 100 ºC (+ 1 ºC)]. This reading may vary at higher altitudes. If adjustment is required, follow manufacturer’s instructions.
4. Employees will check the accuracy of the food thermometers:
   * At regular intervals (at least once per week)
   * If dropped
   * If used to measure extreme temperatures, such as in an oven
   * Whenever accuracy is in question

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. For an inaccurate, bimetallic, dial-faced thermometer, adjust the temperature by turning the dial while securing the calibration nut (located just under or below the dial) with pliers or a wrench.
3. For an inaccurate, digital thermometer with a reset button, adjust the thermometer according to manufacturer’s instructions.
4. If an inaccurate thermometer cannot be adjusted on-site, discontinue using it, and follow manufacturer’s instructions for having the thermometer calibrated.
5. Retrain employees who are using or calibrating food thermometers improperly.

## Using and Calibrating Thermometers, continued

(Sample SOP)

### VERIFICATION AND RECORD KEEPING:

Employees will record the calibration temperature and any corrective action taken, if applicable, on the Thermometer Calibration Log each time a thermometer is calibrated. The manager will verify that employees are using and calibrating thermometers properly by making visual observations of the employees during the calibration process and all operating hours. The manager will review and initial the Calibration Log daily. The Calibration Log will be kept on file a minimum of 1 year. The manager will complete the Food Safety Checklist daily. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Using Suitable Utensils When Handling Ready-to-Eat Foods

(Sample SOP) **PURPOSE:** To prevent foodborne illness due to hand-to-food cross-contamination. **SCOPE:** This procedure applies to employees who prepare, handle, or serve food. **KEY WORDS:** Ready-to-Eat Food, Cross-Contamination

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Use proper handwashing procedures to wash hands and exposed arms prior to preparing or handling food or at anytime when the hands may have become contaminated.
4. Do not use bare hands to handle ready-to-eat foods at any time unless washing fruits and vegetables.
5. Use suitable utensils when working with ready-to-eat food. Suitable utensils may include:
   * Single-use gloves
   * Deli tissue
   * Foil wrap
   * Tongs, spoodles, spoons, and spatulas
6. Wash hands and change gloves:
   * Before beginning food preparation
   * Before beginning a new task
   * After touching equipment such as refrigerator doors or utensils that have not been cleaned and sanitized
   * After contacting chemicals
   * When interruptions in food preparation occur, such as when answering the telephone or checking in a delivery
   * When handling money
   * Anytime a glove is torn, damaged, or soiled
   * Anytime contamination of a glove might have occurred

## Using Suitable Utensils When Handling Ready-to-Eat Foods, continued

(Sample SOP)

### MONITORING:

A designated employee will visually observe that gloves or suitable utensils are used and changed at the appropriate times during all hours of operation.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Discard ready-to-eat food touched with bare hands.

### VERIFICATION AND RECORD KEEPING:

The manager will verify that workers are using suitable utensils by visually monitoring employees during all hours of operation. The manager will complete the Food Safety Checklist daily. The designated employee responsible for monitoring will record any discarded food on the Damaged and Discarded Product Log. The Food Safety Checklist and Damaged and Discarded Food Log are kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Using Time Alone as a Public Health Control to Limit Bacteria Growth in Potentially Hazardous Foods

(Sample SOP)

**PURPOSE:** To prevent foodborne illness by ensuring that potentially hazardous foods are not held in the temperature danger zone for more than 4 hours before being cooked or served.

**SCOPE:** This procedure applies to employees that handle, prepare, cook, and serve food.

**KEY WORDS:** Temperatures, Holding, Time As a Public Health Control

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP. Refer to the **Using and Calibrating Thermometers SOP**.
2. Follow State or local health department requirements.
3. If State or local health department requirements are based on the *2009 FDA Food Code*, establish written procedures that clearly identify the:
   * Specific foods for which time rather than temperature will be used to limit bacteria growth.
   * Corrective procedures that are followed to ensure that foods are cooled properly. Refer to the **Cooling Potentially Hazardous Foods SOP**.
   * Marking procedures used to indicate the time that is 4 hours past the point when the food is removed from temperature control, such as an oven or refrigerator.
   * Procedures that are followed when food is in the danger zone for greater than 4 hours.
4. Cook raw potentially hazardous food within 4 hours past the point when the food is removed from temperature control.
5. Serve or discard cooked or ready-to-eat food within 4 hours past the time when the food is removed from temperature control.
6. Avoid mixing different batches of food together in the same container. If different batches of food are mixed together in the same container, use the time associated with the first batch of food as the time by which to cook, serve, or discard all the food in the container.

## Using Time Alone as a Public Health Control to Limit Bacteria Growth in Potentially Hazardous Foods, continued

(Sample SOP)

### MONITORING:

1. Employees will continually monitor that foods are properly marked or identified with the time that is 4 hours past the point when the food is removed from temperature control.
2. Employees will continually monitor that foods are cooked, served, or discarded by the indicated time.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Discard unmarked or unidentified food or food that is noted to exceed the 4-hour limit.

### VERIFICATION AND RECORD KEEPING:

Employees will mark or otherwise identify food as specified in the Instructions Section of this SOP. The manager will verify that employees are following this procedure by visually monitoring employees and food handling during the shift. The manager will complete the Food Safety Checklist daily. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Washing Fruits and Vegetables

(Sample SOP)

**PURPOSE:** To prevent or reduce risk of foodborne illness or injury by contaminated fruits and vegetables.

**SCOPE:** This procedure applies to employees who prepare or serve food.

**KEY WORDS:** Fruits, Vegetables, Cross-Contamination, Washing

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Wash hands using the proper procedure.
4. Wash, rinse, sanitize, and air-dry all food-contact surfaces, equipment, and utensils that will be in contact with produce, such as cutting boards, knives, and sinks.
5. Follow manufacturer’s instructions for proper use of chemicals.
6. Wash all raw fruits and vegetables thoroughly before combining with other ingredients, including:
   * Unpeeled fresh fruit and vegetables that are served whole or cut into pieces.
   * Fruits and vegetables that are peeled and cut to use in cooking or served ready-to-eat.
7. Wash fresh produce vigorously under cold running water or by using chemicals that comply with the *2009 FDA Food Code.*

Packaged fruits and vegetables labeled as being previously washed and ready-to-eat are not required to be washed.

1. Scrub the surface of firm fruits or vegetables such as apples or potatoes using a clean and sanitized brush designated for this purpose.
2. Remove any damaged or bruised areas.
3. Label, date, and refrigerate fresh-cut items.
4. Serve cut melons within 7 days if held at 41 ºF or below. Refer to the **Date Marking Ready-to-Eat, Potentially Hazardous Food SOP**.
5. Do not serve raw seed sprouts to highly susceptible populations such as preschool-age children.

## Washing Fruits and Vegetables, continued

(Sample SOP)

### MONITORING:

1. The manager will visually monitor that fruits and vegetables are being properly washed, labeled, and dated during all hours of operation.
2. employees will check daily the quality of fruits and vegetables in cold storage.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Remove unwashed fruits and vegetables service and washed immediately before being served.
3. Label and date fresh cut fruits and vegetables.
4. Discard cut melons held after 7 days.

### VERIFICATION AND RECORD KEEPING:

The manager will complete the Food Safety Checklist daily to indicate that monitoring is being conducted as specified in this SOP. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

**DATE REVISED: BY:**

## Washing Hands (Sample SOP)

**PURPOSE:** To prevent foodborne illness by contaminated hands.

**SCOPE:** This procedure applies to anyone who handle, prepare, and serve food.

**KEY WORDS:** Handwashing, Cross-Contamination

### INSTRUCTIONS:

1. Train employees on using the procedures in this SOP.
2. Follow State or local health department requirements.
3. Post handwashing signs or posters in a language understood by all staff near all handwashing sinks, in food preparation areas, and restrooms.
4. Use designated handwashing sinks for handwashing only. Do not use food preparation, utility, and dishwashing sinks for handwashing.
5. Provide warm running water, soap, and a means to dry hands. Provide a waste container at each handwashing sink or near the door in restrooms.
6. Keep handwashing sinks accessible anytime employees are present.
7. Wash hands:
   * Before starting work
   * During food preparation
   * When moving from one food preparation area to another
   * Before putting on or changing gloves
   * After using the toilet
   * After sneezing, coughing, or using a handkerchief or tissue
   * After touching hair, face, or body
   * After smoking, eating, drinking, or chewing gum or tobacco
   * After handling raw meats, poultry, or fish
   * After any clean up activity such as sweeping, mopping, or wiping counters
   * After touching dirty dishes, equipment, or utensils
   * After handling trash
   * After handling money
   * After any time the hands may become contaminated

## Washing Hands, continued

(Sample SOP)

### INSTRUCTIONS, continued:

1. Follow proper handwashing procedures as indicated below:
   * Wet hands and forearms with warm, running water at least 100 ºF and apply soap.
   * Scrub lathered hands and forearms, under fingernails, and between fingers for at least 10-15 seconds. Rinse thoroughly under warm running water for 5-10 seconds.
   * Dry hands and forearms thoroughly with single-use paper towels.
   * Dry hands for at least 30 seconds if using a warm air hand dryer.
   * Turn off water using paper towels.
   * Use paper towel to open door when exiting the restroom.
2. Follow FDA recommendations when using hand sanitizers. These recommendations are as follows:
   * Use hand sanitizers only after hands have been properly washed and dried.
   * Use only hand sanitizers that comply with the *2009 FDA Food Code*. Confirm with the manufacturers that the hand sanitizers used meet these requirements.
   * Use hand sanitizers in the manner specified by the manufacturer.

### MONITORING:

1. A designated employee will visually observe the handwashing practices of the staff during all hours of operation.
2. The designated employee will visually observe that handwashing sinks are properly supplied during all hours of operation.

### CORRECTIVE ACTION:

1. Retrain any employee found not following the procedures in this SOP.
2. Ask employees that are observed not washing their hands at the appropriate times or using the proper procedure to wash their hands immediately.
3. Retrain employee to ensure proper handwashing procedure.

### VERIFICATION AND RECORD KEEPING:

The manager will complete the Food Safety Checklist daily to indicate that monitoring is being conducted as specified. The Food Safety Checklist is to be kept on file for a minimum of 1 year.

## Washing Hands, continued

(Sample SOP)

### DATE IMPLEMENTED: BY:

**DATE REVIEWED: BY:**

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## HACCP-Based Standard Operating Record Keeping

|  |  |
| --- | --- |
| [Cooking and Reheating Temperature Log](#_bookmark22) . . . . . . . . . . . . . . . . . . . . . . | 52 |
| [Cooling Temperature Log](#_bookmark23) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 53 |
| [Damaged or Discarded Product Log](#_bookmark24) . . . . . . . . . . . . . . . . . . . . . . . . . . . | 54 |
| [Food Contract Surfaces Cleaning and Sanitizing Log.](#_bookmark25) . . . . . . . . . . . . . | 55 |
| [Production Log .](#_bookmark26) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 56 |
| [Receiving Log](#_bookmark27) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 57 |
| [Refrigeration Log .](#_bookmark28) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 58 |
| [Thermometer Calibration Log](#_bookmark29) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 59 |
| [Food Safety Checklist](#_bookmark30) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 60 |

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| **Cooking and Reheating Temperature Log**  **Instructions:** Record product name, time, the two temperatures/times, and any corrective action taken on this form. The manager will verify that employees have taken the required cooking temperatures by visually monitoring employees and preparation procedures during the shift and reviewing, initialing, and dating this log daily. Maintain this log for a minimum of 1 year. | | | | | | | |
| **Date and Time** | | **Food Item** | **Internal Temperature/ Time** | **Internal Temperature/ Time** | **Corrective Action Taken** | **Initials** | **Verified By/ Date** |
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| **Cooling Temperature Log**  **Instructions:** Record temperatures every hour during the cooling cycle. Record corrective actions, if applicable. If no foods are cooled on any working day, indicate “No Foods Cooled” in the Food Item column. The manager will verify that the staff is cooling food properly by visually monitoring employees during the shift and reviewing, initialing, and dating this log daily. Maintain this log for a minimum of 1 year. | | | | | | | | | | |
| **Date** | **Food Item** | **Time/**  **Temp** | **Time/**  **Temp** | **Time/**  **Temp** | **Time/**  **Temp** | **Time/**  **Temp** | **Time/**  **Temp** | **Corrective Actions Taken** | **Initials** | **Verified By/ Date** |
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| **Damaged or Discarded Product Log**  **Instructions:** employees will record product name, quantity, action taken, reason, initials, and date each time a food or food product is damaged and/or will be discarded. The manager will verify that employees are discarding damaged food properly by visually monitoring employees during the shift and reviewing, initialing, and dating this log daily. Maintain this log for a minimum of 1 year. | | | | | | | |
| **Date** | **Time** | **Vendor**  **or School** | **Product Name** | **Temperature** | **Corrective Action**  **Taken** | **Initials/Date** | **Manager**  **Initials/Date** |
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| **Food Contact Surfaces Cleaning and Sanitizing Log**  **Instructions:** Record time, temperatures/sanitizer concentration, as appropriate and any corrective action taken on this form. The manager will verify that food workers have taken the required information by visually monitoring employees and preparation procedures during the shift and by reviewing, initialing, and dating this log daily. Maintain this log for a minimum of 1 year. | | | | | | | | | |
| **Date and**  **Time** | | **Wash Temperature** | **Rinse Temperature** | **Final Rinse (Sanitization)**  **Temperature** | **Heat Sensitive Tape**  **(place here)** | **Sanitizer Concentration**  **(in ppm)** | **Corrective Action** | **Employee Initials** | **Verified By/**  **Date** |
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| **Production Log**  **Instructions:** employees will record the date, product name, start and end time of production, the two temperature measurements taken, any corrective action taken, and the amount of food prepared on the Production Log. The manager will verify that employees are taking the required temperatures and following the proper preparation procedure by visually monitoring employees during the shift and reviewing, initialing, and dating the log daily. Maintain this log as directed by your State agency. | | | | | | | | | |
| **Date** | **Start**  **Time** | **Product Name** | **Temp**  **#1** | **Temp**  **#2** | **Amount**  **Prepared** | **Corrective**  **Actions** | **End**  **Time** | **Employee**  **Initials** | **Verified**  **By/Date** |
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| **Receiving Log**  **Instructions:** Use this Log for deliveries or receiving foods from a centralized kitchen. Record any temperatures and corrective action taken on the Receiving Log. The manager will verify that employees are receiving products using the proper procedure by visually monitoring employees and receiving practices during the shift and reviewing the log daily. Maintain this log for a minimum of 1 year. | | | | | | | |
| **Date** | **Time** | **Vendor or School** | **Product Name** | **Temperature** | **Corrective Action Taken** | **Initials/Date** | **Manager Initials/Date** |
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| **Refrigeration Log**  **Instructions**: A designated employee will record the location or description of holding unit, date, time, air temperature, corrective action, and initials on this log. The manager will verify that employees have taken the required temperatures by visually monitoring food employees during the shift and reviewing, initialing, and dating this log daily. Maintain this log for a minimum of 1 year. | | | | | | |
| **Location/ Unit Description** | **Date** | **Time** | **Temperature** | **Corrective Action** | **Food Worker**  **Initials** | **Manager Initials/**  **Date** |
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| **Thermometer Calibration Log**  **Instructions**: employees will record the calibration temperature and corrective action taken, if applicable, on the Thermometer Calibration Log each a time thermometer is calibrated. The manager will verify that employees are using and calibrating thermometers properly by making visual observations of employee activities during all hours of operation. The manager will review and initial the log daily. Maintain this log for a minimum of 1 year. | | | | | |
| **Date** | **Thermometer**  **Being Calibrated** | **Temperature**  **Reading** | **Corrective Action** | **Initials** | **Manager**  **Initials/Date** |
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**FOOD SAFETY CHECKLIST**

Date Observer

Directions: Use this checklist daily. Determine areas in your operations requiring corrective action. Record corrective action taken and keep completed records in a notebook for future reference**.**

**PERSONAL HYGIENE Yes No Corrective Action**

|  |  |  |
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| * Employees wear clean and proper uniform including shoes. □ | □ |  |
| * Effective hair restraints are properly worn. □ | □ |  |
| * Fingernails are short, unpolished, and clean (no artificial nails). □ * Jewelry is limited to a plain ring, such as wedding band and a watch   and no bracelets. □ | □  □ |  |
| * Hands are washed properly, frequently, and at appropriate times. □ * Burns, wounds, sores or scabs, or splints and water-proof bandages on hands are bandaged and completely covered with a | □ |  |
| glove while handling food. □   * Eating, drinking, chewing gum, smoking, or using tobacco are allowed only in designated areas away from preparation, service, | □ |  |
| storage, and ware washing areas. □   * Employees use disposable tissues when coughing or sneezing and   then immediately wash hands. □ | □  □ |  |
| * Employees appear in good health. □ | □ |  |
| * Hand sinks are unobstructed, operational, and clean. □ | □ |  |
| * Hand sinks are stocked with soap, disposable towels, and warm water. □ | □ |  |
| * A handwashing reminder sign is posted. □ | □ |  |
| * Employee restrooms are operational and clean. □ | □ |  |
| **FOOD PREPARATION Yes** | **No** | **Corrective Action** |
| * All food stored or prepared in facility is from approved sources. □ * Food equipment utensils, and food contact surfaces are properly | □ |  |
| washed, rinsed, and sanitized before every use. □   * Frozen food is thawed under refrigeration, cooked to proper | □ |  |
| temperature from frozen state, or in cold running water. □ | □ |  |
| * Thawed food is not refrozen. □ * Preparation is planned so ingredients are kept out of the temperature | □ |  |
| danger zone to the extent possible. □ | □ |  |
| * Food is tasted using the proper procedure. □ | □ |  |
| * Procedures are in place to prevent cross-contamination. □ * Food is handled with suitable utensils, such as single use gloves or | □ |  |
| tongs. □ | □ |  |

* + Food is prepared in small batches to limit the time it is in the

temperature danger zone. □ □

* + Clean reusable towels are used only for sanitizing equipment and

surfaces and not for drying hands, utensils, or floor. □ □

* + Food is cooked to the required safe internal temperature for the appropriate time. The temperature is tested with a calibrated food

thermometer. □ □

* + The internal temperature of food being cooked is monitored and

documented. □ □

**HOT HOLDING Yes No Corrective Action**

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| * Hot holding unit is clean. □ * Food is heated to the required safe internal temperature before | □ |  |
| placing in hot holding. Hot holding units are not used to reheat |  |  |
| potentially hazardous foods. □ | □ |  |
| * Hot holding unit is pre-heated before hot food is placed in unit. □ | □ |  |
| * Temperature of hot food being held is at or above 140 ºF. □ | □ |  |
| * Food is protected from contamination. □ | □ |  |
| **COLD HOLDING Yes** | **No** | **Corrective Action** |
| * Refrigerators are kept clean and organized. □ | □ |  |
| * Temperature of cold food being held is at or below 41 ºF. □ | □ |  |
| * Food is protected from contamination. □ | □ |  |
| **REFRIGERATOR, FREEZER, AND MILK COOLER Yes** | **No** | **Corrective Action** |
| * Thermometers are available and accurate. □ | □ |  |
| * Temperature is appropriate for pieces of equipment. □ | □ |  |
| * Food is stored 6 inches off floor or in walk-in cooling equipment. □ | □ |  |
| * Refrigerator and freezer units are clean and neat. □ | □ |  |
| * Proper chilling procedures are used. □ | □ |  |
| * All food is properly wrapped, labeled, and dated. □ * The FIFO (First In, First Out) method of inventory management is   used. □   * Ambient air temperature of all refrigerators and freezers is monitored   and documented at the beginning and end of each shift. □ | □  □  □ |  |

**FOOD STORAGE AND DRY STORAGE Yes No Corrective Action**

* + Temperatures of dry storage area is between 50 ºF and 70 ºF or

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| State public health department requirement. □ | □ |  |
| * All food and paper supplies are stored 6 to 8 inches off the floor. □ | □ |  |
| * All food is labeled with name and received date. □ * Open bags of food are stored in containers with tight fitting lids and labeled with common name. □ * The FIFO (First In, First Out) method of inventory management is   used. □ | □  □  □ |  |
| * There are no bulging or leaking canned goods. □ | □ |  |
| * Food is protected from contamination. □ | □ |  |
| * All food surfaces are clean. □ * Chemicals are clearly labeled and stored away from food and food- related supplies. □ | □  □ |  |
| * There is a regular cleaning schedule for all food surfaces. □ | □ |  |
| * Food is stored in original container or a food grade container. □ | □ |  |
| **CLEANING AND SANITIZING Yes** | **No** | **Corrective Action** |
| * Three-compartment sink is properly set up for ware washing. □ * Dishmachine is working properly (such as gauges and chemicals are at recommended levels). □ | □  □ |  |
| * Water is clean and free of grease and food particles. □ | □ |  |
| * Water temperatures are correct for wash and rinse. □ * If heat sanitizing, the utensils are allowed to remain immersed in   171 ºF water for 30 seconds. □   * If using a chemical sanitizer, it is mixed correctly and a sanitizer strip   is used to test chemical concentration. □ | □  □  □ |  |
| * Smallware and utensils are allowed to air dry. □ | □ |  |
| * Wiping cloths are stored in sanitizing solution while in use. □ | □ |  |
| **UTENSILS AND EQUIPMENT Yes**   * All small equipment and utensils, including cutting boards and   knives, are cleaned and sanitized between uses. □ | **No**  □ | **Corrective Action** |
| * Small equipment and utensils are washed, sanitized, and air-dried. □ | □ |  |
| * Work surfaces and utensils are clean. □ | □ |  |
| * Work surfaces are cleaned and sanitized between uses. □ | □ |  |
| * Thermometers are cleaned and sanitized after each use. □ | □ |  |

* + Thermometers are calibrated on a routine basis. □ □
  + Can opener is clean. □ □
  + Drawers and racks are clean. □ □
  + Clean utensils are handled in a manner to prevent contamination of

areas that will be in direct contact with food or a person’s mouth. □ □

**LARGE EQUIPMENT Yes No Corrective Action**

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| * Food slicer is clean. □ * Food slicer is broken down, cleaned, and sanitized before and   after every use. □ | □  □ |  |
| * Boxes, containers, and recyclables are removed from site. □ | □ |  |
| * Loading dock and area around dumpsters are clean and odor-free. □ | □ |  |
| * Exhaust hood and filters are clean. □ | □ |  |
| **GARBAGE STORAGE AND DISPOSAL Yes** | **No** | **Corrective Action** |
| * Kitchen garbage cans are clean and kept covered. □ | □ |  |
| * Garbage cans are emptied as necessary. □ | □ |  |
| * Boxes and containers are removed from site. □ | □ |  |
| * Loading dock and area around dumpster are clean. □ | □ |  |
| * Dumpsters are clean. □ | □ |  |
| **PEST CONTROL Yes**   * Outside doors have screens, are well-sealed, and are equipped with   a self-closing device. □ | **No**  □ | **Corrective Action** |
| * No evidence of pests is present. □ * There is a regular schedule of pest control by a licensed pest control operator. □ | □  □ |  |

## Developing a HACCP•Based Food Safety Program Worksheets

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**Food Safety Program**

The SFA’s overall food safety program must include a written plan for each individual school in the SFA and be based on HACCP principles. It is easier than it sounds because USDA has simplified the process as described in the *Guidance for School Food Authorities: Developing a School Food Service Program Based on the Process Approach to HACCP Principles.* By following the guidance, your program will adhere to HACCP principles.

### Key Points

Three main points are essential to developing a food safety program: basic facility sanitation, temperature control, and documented SOPs.

1. Be sure that all of your food preparation areas are clean and sanitary, such as workers’ hands, utensils, and food contact surfaces. Avoid cross contamination.
2. Temperature control means keeping cold foods cold and hot foods hot. Cook to proper temperatures and hold at proper temperatures, and be sure to record those temperatures. A basic, properly calibrated food thermometer (digital or dial) is all you need to check for proper temperatures.
3. SOPs can be used to verify proper sanitation and the observance of proper temperatures, as well as other food safety aspects in a operation.

### Key Terms

Here is a quick look at some key terms:

**Hazard analysis**: review of your food service operation to find areas where food safety problems might occur.

**Control measures**: steps you take to reduce the likelihood of food contamination.

**Critical control points**: points in food preparation and processing where controlling a step (such as cooking) is essential to assure food safety.

**Critical limits**: the time and temperature ranges for food preparation and service (either cold or hot) that keep food safe.

**Process Approach**: a method of grouping menu items into one of three processes depending on the number of times the food goes through the temperature danger zone, which is between 41 ºF and 140 ºF.

**Standard Operating Procedure (SOP)**: written instructions for a food service task that reduce food safety hazards.

### Overview to The Process Approach to HACCP

HACCP is a systematic approach to construct a food safety program designed to reduce the risk of foodborne hazards by focusing on each step of the food preparation process from receiving to service. USDA recommends that SFAs use the Process Approach to HACCP because it gives you flexibility to create a food safety program specific to your food service operation. The Food and Drug Administration (FDA) originally developed the Process Approach for retail food establishments. The Process Approach groups food preparation into three broad categories based on how many times each menu item moves through the temperature danger zone. The guidance and this resource provide a modified version of the Process Approach to make it practical for your school operation.

Serving safe food is a critical responsibility for school and a key aspect of a healthy school environment. Keeping foods safe is also a vital part of healthy eating and a recommendation of the *Dietary Guidelines for Americans 2005*. When properly implemented, HACCP-based food safety programs will help you ensure the safety of the school meals served to children in your school nutrition program.

### Food Process

These are the preparation categories in the Process Approach to HACCP: Process #1 No Cook, food items meant to be kept cold from preparation through service; Process #2 Same Day Service, food items meant to be prepared hot and served hot the same day; and Process #3 Complex Food Preparation, food items meant to be prepared hot and served cooled, or possibly reheated. You will need to put each menu item (recipe) into one of the three categories and then keep it hot (or cold) while it is being stored, prepared, transported, held, and served.

If you see a failure in sanitation or temperature control, be sure to have a means of correcting the problem and verifying that the corrective steps resolved the problem. Once your food safety program is in operation, someone should be checking to see that it is working, perhaps once a month. Then, every year you should review the entire program to incorporate any changes, such as new menu items, new equipment, changes in staff, and remodeling.

Adapted from: U.S. Department of Agriculture, Food and Nutrition Service. (June 2005). *Guidance for School Food Authorities: Developing a School Food Service Program Based on the Process Approach to HACCP Principles.* Available at <http://www.fns.usda.gov/cnd/lunch/Downloadable/HACCPGuidance.pdf>

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| **Components of a Comprehensive Food Safety Program**  **Directions:** For each of your food service locations complete the following information. Maintain this record for a minimum of 1 year. | | | |
| **Component** | **Location** | **Task Completed** | **Date** |
| Documented SOP |  |  |  |
| Documented Critical Control  Points |  |  |  |
| Standardized Recipes |  |  |  |
| No-Cook Process Worksheet |  |  |  |
| Same Day Service Process  Worksheet |  |  |  |
| Complex Process Worksheet |  |  |  |
| Monitoring |  |  |  |
| Corrective Actions |  |  |  |
| Record Keeping |  |  |  |
| Verification |  |  |  |
| Training |  |  |  |
| Review of Food Safety Plan |  |  |  |

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| **Summary Table of Record Keeping for HACCP-Based SOP** | | | | | | | | | | |
|  | Clean ing and Saniti zing Log | Cookin g- Reheati ng Temper ature Log | Coolin g Temper ature Log | Dama ged or Disca rded Produ  ct Log | Food Safet y Chec klist | Hot and Cold Holdin g Temper  ature Log | Produ ction Log | Recei ving Log | Thermo meter Calibrat ion Log | To Be Deter mined |
| Cleanin g and Sanitizi ng Food Contact Surface  s | X |  |  |  | X |  |  |  |  |  |
| Control ling Time and Temper ature During Food  Prepara tion |  |  |  |  | X |  | X |  |  |  |
| Cookin  g |  | X |  |  |  |  |  |  |  |  |
| Coolin  g |  |  | X |  |  |  |  |  |  |  |
| Date  Markin g |  |  |  |  | X |  |  |  |  |  |
| Emplo yee  Health Policy |  |  |  |  |  |  |  |  |  | X |
| Handli ng a Food  Recall |  |  |  | X | X |  |  |  |  |  |
| Holdin g  Foods |  |  |  |  |  | X |  |  |  |  |

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| **Summary Table of Record Keeping for HACCP-Based SOP, continued** | | | | | | | | | | |
|  | Clean ing and Saniti zing Log | Cookin g- Reheati ng Tempe rature Log | Coolin g Tempe rature Log | Dama ged or Disca rded Produ ct  Log | Food Safet y Chec klist | Hot and Cold Holdin g Tempe rature  Log | Produ ction Log | Recei ving Log | Thermo meter Calibrat ion Log | To Be Deter mined |
| Personal  Hygiene |  |  |  | X | X |  |  |  |  |  |
| Preventi ng Contami nation at Food  Bars |  |  |  | X | X | X |  |  |  |  |
| Preventi ng Cross- Contami nation During Storage and  Preparat ion |  |  |  | X | X |  |  |  |  |  |
| Receivin g  Deliveri es |  |  |  |  |  |  |  | X |  |  |
| Reheatin g Potential ly Hazardo  us Foods |  | X |  |  |  |  |  |  |  |  |
| Serving  Food |  |  |  |  | X |  |  |  |  |  |
| Storing and Using Toxic Chemica  ls |  |  |  | X | X |  |  |  |  |  |

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| **Summary Table of Record Keeping for HACCP-Based SOP, continued** | | | | | | | | | | |
|  | Clean ing and Saniti zing Log | Cookin g- Reheati ng Temper ature Log | Coolin g Temper ature Log | Dama ged or Disca rded Produ  ct Log | Food Safet y Chec klist | Hot and Cold Holdin g Temper  ature Log | Produ ction Log | Recei ving Log | Thermo meter Calibrat ion Log | To Be Deter mined |
| Transpo rting Food to  Remote Sites |  |  |  |  | X | X |  | X |  |  |
| Using and Calibrat ing a Food Thermo  meter |  |  |  |  | X |  |  |  | X |  |
| Using Suitable Utensils When Handlin g Ready- to-Eat  Foods |  |  |  | X | X |  |  |  |  |  |
| Using Time Alone as a Public  Health Control |  |  |  |  | X |  |  |  |  |  |
| Washin g Fruits and Vegeta  bles |  |  |  |  | X |  |  |  |  |  |
| Washin  g Hands |  |  |  |  | X |  |  |  |  |  |

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| **Summary Table for Monitoring and Verifying HACCP-Based SOP Record**  **Directions:** Identify the employee who will be responsible for monitoring and verifying records. Maintain this record for a minimum of 1 year. | | | |
| **Standard Operating Procedure** | **Record** | **Monitored by Whom** | **Verified by Whom** |
| Cleaning and Sanitizing Food Contact Surfaces | Food Safety Checklist  Food Contact Surfaces Cleaning and Sanitizing Log |  |  |
| Controlling Time and Temperature during Food Preparation | Food Safety Checklist  Production Log |  |  |
| Cooking | Cooking and Reheating Temperature Log |  |  |
| Cooling | Cooling Temperature Log |  |  |
| Date Marking | Food Safety Checklist |  |  |
| Employee Health Policy | To be determined by school officials and State or local health department. |  |  |

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| **Summary Table for Monitoring and Verifying HACCP-Based SOP Record, continued**  **Directions:** Identify the employee who will be responsible for monitoring and verifying records. Maintain this record for a minimum of 1 year. | | | |
| **Standard Operating**  **Procedure** | **Record** | **Monitored by Whom** | **Verified by Whom** |
| Holding Foods | Hot and Cold Holding Temperature Log  Refrigeration Log |  |  |
| Personal Hygiene | Food Safety Checklist  Damaged or Discarded Product Log |  |  |
| Preventing Contamination at Food Bars | Food Safety Checklist  Damaged or Discarded Product Log  Hot and Cold Holding Temperature Log |  |  |
| Preventing Cross- Contamination during Storage and Preparation | Food Safety Checklist  Damaged or Discarded Product Log |  |  |

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| **Summary Table for Monitoring and Verifying HACCP-Based SOP Record, continued**  **Directions:** Identify the employee who will be responsible for monitoring and verifying records. Maintain this record for a minimum of 1 year. | | | |
| **Standard Operating**  **Procedure** | **Record** | **Monitored by Whom** | **Verified by Whom** |
| Receiving Deliveries | Receiving Log |  |  |
| Reheating Potentially Hazardous Foods | Cooking and Reheating Temperature Log |  |  |
| Serving Food | Food Safety  Checklist |  |  |
| Storing and Using Toxic Chemicals | Food Safety Checklist |  |  |
|  | Damaged or Discarded Product Log |
| Transporting Foods to Remote Sites | Food Safety Checklist |  |  |
|  | Hot and Cold Holding Temperature Log |
|  | Receiving Log |

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| **Summary Table for Monitoring and Verifying HACCP-Based SOP Record, continued**  **Directions:** Identify the employee who will be responsible for monitoring and verifying records. Maintain this record for a minimum of 1 year. | | | |
| **Standard Operating**  **Procedure** | **Record** | **Monitored by Whom** | **Verified by Whom** |
| Using Suitable Utensils When Handling Ready-to-  eat Foods | Food Safety Checklist |  |  |
| Using Time Alone as a Public Health Control | Food Safety Checklist |  |  |
| Washing Fruits and Vegetables | Food Safety Checklist |  |  |
| Washing Hands | Food Safety Checklist |  |  |

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| **Summary of Corrective Actions for HACCP-Based SOPs** | |
| **SOP** | **Corrective Action** |
| Cleaning and Sanitizing Food Contact Surfaces | 1. Retrain any employee found not following the procedures in this SOP. 2. Wash, rinse, and sanitize dirty food contact surfaces. Sanitize food contact surfaces if it is discovered that the surfaces were not properly sanitized. Discard food that comes in contact with food contact surfaces that have not been sanitized properly. 3. In a 3-compartment sink:    * Drain and refill compartments periodically and as needed to keep the water clean.    * Adjust the water temperature by adding hot water until the desired temperature is reached.    * Add more sanitizer or water, as appropriate, until the proper sanitizer concentration is achieved. 4. In a dishmachine:    * Drain and refill the machine periodically and as needed to keep the water clean.    * Contact the appropriate individual(s) to have the machine repaired if the machine is not reaching the proper wash temperature indicated on the data plate.    * For a hot water sanitizing dishmachine, retest by running the machine again. If the appropriate surface temperature is still not achieved on the second run, contact the appropriate individual(s) to have the machine repaired. Wash, rinse, and sanitize in the 3- compartment sink until the machine is repaired or use disposable single service/single-use items if a 3-compartment sink is not available.    * For a chemical sanitizing dishmachine, check the level of sanitizer remaining in bulk container. Fill, if needed. “Prime” the machine according to the manufacturer’s instructions to ensure that the sanitizer is being pumped through the machine. Retest. If the proper sanitizer concentration level is not achieved, stop using the machine and contact the appropriate individual(s) to have it repaired. Use a 3-compartment sink to wash, rinse, and sanitize until the machine is repaired. |

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| **Summary of Corrective Actions for HACCP-Based SOPs, continued** | |
| **SOP** | **Corrective Action** |
| Controlling Time and Temperature During Preparation | 1. Retrain any employee found not following the procedures in this SOP. 2. Begin the cooking process immediately after preparation is complete for any foods that will be served hot. 3. Rapidly cool ready-to-eat foods or foods that will be cooked at a later time. 4. Immediately return ingredients to the refrigerator if the anticipated preparation completion time is expected to exceed 30 minutes. 5. Discard food held in the temperature danger zone for more than 4 hours. |
| Cooking  Critical Control Point (CCP) | 1. Retrain any employee found not following the procedures in this SOP. 2. Continue cooking food until the internal temperature reaches the required temperature. |
| Cooling  Critical Control Point (CCP) | 1. Retrain any employee found not following the procedures in this SOP. 2. Reheat cooked, hot food to 165 ºF for 15 seconds and start the cooling process again using a different cooling method when the food is:    * Above 70 ºF and 2 hours or less into the cooling process; and    * Above 41 ºF and 6 hours or less into the cooling process. 3. Discard cooked, hot food immediately when the food is:    * Above 70 ºF and more than 2 hours into the cooling process; or    * Above 41 ºF and more than 6 hours into the cooling process. 4. Use a different cooling method for prepared ready-to-eat foods when the food is above 41 ºF and less than 4 hours into the cooling process. 5. Discard prepared ready-to-eat foods when the food is above 41 ºF and more than 4 hours into the cooling process. |
| Date Marking  Ready-to-Eat Potentially Hazardous Food | 1. Retrain any employee found not following the procedures in this SOP. 2. Foods that are not date marked or that exceed the 7-day time period   will be discarded. |
| Employee Health Policy | To be determined by school officials and State or local health department. |
| Handling A Food Recall | 1. Retrain any employee found not following the procedures in this SOP. 2. Determine if the recalled product is to be returned and to whom, or destroyed and by whom. 3. Notify feeding site staff of procedures, dates, and other specific directions to be followed for the collection or destruction of the recalled product. 4. Consolidate the recall product as quickly as possible, but no later than 30 days after the recall notification. 5. Conform to the recall notice using the following steps: |

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| **Summary of Corrective Actions for HACCP-Based SOPs, continued** | |
| **SOP** | **Corrective Action** |
| Handling A Food Recall, continued | * Report quantity and site where product is located to manufacturer, distributor, or State agency for collection. The quantity and location of the affected USDA commodity food must be submitted to the State Distributing Agency within 10 calendars days of the recall. * Obtain the necessary documents from the State Distributing Agency for USDA commodity foods. Submit necessary documentation for reimbursement of food costs. * Complete and maintain all required documentation related to the recall including:   + Recall notice   + Records of how food product was returned or destroyed   + Reimbursable costs   + Public notice and media communications |
| Holding Hot and Cold Potentially Hazardous Foods  Critical Control Point (CCP) | 1. Retrain any employee found not following the procedures in this SOP. 2. For hot foods:    * Reheat the food to 165 ºF for 15 seconds if the temperature is found to be below 140 ºF and the last temperature measurement was 140 ºF or higher and taken within the last 2 hours. Repair or reset holding equipment before returning the food to the unit, if applicable.    * Discard the food if it cannot be determined how long the food temperature was below 140 ºF. 3. For cold foods:    * Rapidly chill the food using an appropriate cooling method if the temperature is found to be above 41 ºF and the last temperature measurement was 41 ºF or below and taken within the last 2 hours:      + Place food in shallow containers (no more than 4 inches deep) and uncovered on the top shelf in the back of the walk-in or reach-in cooler.      + Use a quick-chill unit like a blast chiller.      + Stir the food in a container placed in an ice water bath.      + Add ice as an ingredient.      + Separate food into smaller or thinner portions. 4. Repair or reset holding equipment before returning the food to the unit, if applicable 5. Discard the food if it cannot be determined how long the food temperature was above 41 ºF. |

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| **Summary of Corrective Actions for HACCP-Based SOPs, continued** | |
| **SOP** | **Corrective Action** |
| Personal Hygiene | 1. Retrain any employee found not following this procedure. 2. Discard affected food. |
| Preventing Contamination at Food Bars | 1. Retrain any employee found not following the procedures in this SOP. 2. Remove and discard contaminated food. 3. Demonstrate to customers how to properly use utensils. 4. Discard the food if it cannot be determined how long the food temperature was above 41 ºF or below 140 ºF. |
| Preventing Cross- Contamination during Storage and Preparation | 1. Retrain any employee found not following the procedures in this SOP. 2. Separate foods found improperly stored. 3. Discard ready-to-eat foods that are contaminated by raw eggs, raw fish, raw meat, or raw poultry. |
| Receiving Deliveries | 1. Retrain any employee found not following the procedures in this SOP. 2. Reject the following:    * Frozen foods with signs of previous thawing    * Cans that have signs of deterioration, such as swollen sides or ends, flawed seals or seams, dents, or rust    * Punctured packages    * Foods with out-dated expiration dates    * Foods that are out of safe temperature zone or deemed unacceptable by the established rejection policy |
| Reheating Potentially Hazardous Foods  Critical Control Point (CCP) | 1. Retrain any employee found not following the procedures in this SOP. 2. Continue reheating and heating food if the internal temperature does not reach the required temperature. |
| Serving Food | 1. Retrain any employee found not following the procedures in this SOP. 2. Replace improperly handled plates, cups, or utensils. 3. Discard ready-to-eat food that has been touched with bare hands. 4. Follow the corrective actions identified in the Washing Hands; Using Suitable Utensils When Handling Ready-To-Eat Foods; Date Marking Ready-to-Eat, Potentially Hazardous Foods; Cooling   Potentially Hazardous Foods; and Holding Hot and Cold Potentially Hazardous Foods SOPs. |

# HACCP-Based SOPs

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| **Summary of Corrective Actions for HACCP-Based SOPs, continued** | |
| **SOP** | **Corrective Action** |
| Storing and Using Poisonous or Toxic Chemicals | 1. Retrain any employee found not following the procedures in this SOP. 2. Discard any food contaminated by chemicals. 3. Label and/or properly store any unlabeled or misplaced chemicals |
| Transporting Foods to Remote Sites (Satellite Kitchens) | 1. Retrain any employee found not following the procedures in this SOP. 2. Continue heating or chilling food carrier if the proper air temperature is not reached. 3. Reheat food to 165 ºF for 15 seconds if the internal temperature of hot food is less than 140 ºF. Refer to the Reheating Potentially Hazardous Foods SOP. 4. Cool food to 41 ºF or below using a proper cooling procedure if the internal temperature of cold food is greater than 41 ºF. Refer to the Cooling Potentially Hazardous Foods SOP for the proper procedures to follow when cooling food. 5. Discard foods held in the danger zone for greater than 4 hours. |
| Using and Calibrating a Thermometer | 1. Retrain any employee found not following the procedures in this SOP. 2. For an inaccurate, bimetallic, dial-faced thermometer, adjust the temperature by turning the dial while securing the calibration nut (located just under or below the dial) with pliers or a wrench. 3. For an inaccurate, digital thermometer with a reset button, adjust the thermometer according to manufacturer’s instructions. 4. If an inaccurate thermometer cannot be adjusted on-site, discontinue using it, and follow manufacturer’s instructions for having the thermometer calibrated. 5. Retrain employees who are using or calibrating food thermometers improperly. |
| Using Suitable Utensils When Handling  Ready-to-Eat Foods | 1. Retrain any employee found not following the procedures in this SOP. 2. Discard ready-to-eat food touched with bare hands. |
| Using Time Alone as a Public Health Control  Critical Control Point (CCP) | 1. Retrain any employee found not following the procedures in this SOP. 2. Discard unmarked or unidentified food or food that is noted to exceed the 4-hour limit. |
| Washing Fruits and Vegetables | 1. Retrain any employee found not following the procedures in this SOP. 2. Remove unwashed fruits and vegetables service and washed immediately before being served. 3. Label and date fresh cut fruits and vegetables. 4. Discard cut melons held after 7 days. |

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| **Summary of Corrective Actions for HACCP-Based SOPs, continued** | |
| **SOP** | **Corrective Action** |
| Washing Hands | 1. Retrain any employee found not following the procedures in this SOP. 2. Ask employees that are observed not washing their hands at the appropriate times or using the proper procedure to wash their hands immediately. 3. Retrain employee to ensure proper handwashing procedure. |

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| **Employee Food Safety Training Record Date: Location:**  **Directions:** Use this form to record food safety training provided to employees. Maintain this record for a minimum of 1 year. | | |
| **Employee Name** | **Length of Training** | **Training and Materials Provided** |
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| **No-Cook Process Worksheet**  **Directions:** Review the standardized recipe for each of your menu items. Write the name of the menu item, the recipe number, and any specific instructions in the appropriate columns. Follow your HACCP-based standard operating procedures for facility-wide, receiving, storing, preparing, holding, and serving. | | |
| **Menu Item** | **Recipe Number** | **Specific Instructions** |
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| **No-Cook Process Worksheet, continued**  **Directions:** Review the standardized recipe for each of your menu items. Write the name of the menu item, the recipe number, and any specific instructions in the appropriate columns. Follow your HACCP-based standard operating procedures for facility-wide, receiving, storing, preparing, holding, and serving. | | |
| **Menu Item** | **Recipe Number** | **Specific Instructions** |
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| **Same Day Service Process Worksheet**  **Directions:** Review the standardized recipe for each of your menu items. Write the name of the menu item, the recipe number, and any specific instructions in the appropriate columns. Follow your HACCP-based standard operating procedures for facility-wide, receiving, storing, preparing, holding, cooking, and serving. | | |
| **Menu Item** | **Recipe Number** | **Specific Instructions** |
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| **Same Day Service Process Worksheet, continued**  **Directions:** Review the standardized recipe for each of your menu items. Write the name of the menu item, the recipe number, and any specific instructions in the appropriate columns. Follow your HACCP-based standard operating procedures for facility-wide, receiving, storing, preparing, holding, cooking, and serving. | | |
| **Menu Item** | **Recipe Number** | **Specific Instructions** |
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| **Complex Food Process Worksheet**  **Directions:** Review the standardized recipe for each of your menu items. Write the name of the menu item, the recipe number, and any specific instructions in the appropriate columns. Follow your HACCP-based standard operating procedures for facility-wide, receiving, storing, preparing, holding, cooking, serving, cooling, and reheating. | | |
| **Menu Item** | **Recipe Number** | **Specific Instructions** |
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| **Complex Food Process Worksheet, continued**  **Directions:** Review the standardized recipe for each of your menu items. Write the name of the menu item, the recipe number, and any specific instructions in the appropriate columns. Follow your HACCP-based standard operating procedures for facility-wide, receiving, storing, preparing, holding, cooking, serving, cooling, and reheating. | | |
| **Menu Item** | **Recipe Number** | **Specific Instructions** |
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### Food Safety Web Sites

FDA Center for Food Safety and Applied Nutrition, available at <http://www.cfsan.fda.gov/~lrd/haccp.html>

Gateway to Government Food Safety Information, available at [www.FoodSafety.gov](http://www.foodsafety.gov/)

Healthy School Meals Resource System, available at <http://schoolmeals.nal.usda.gov/>

“Is It Done Yet?” available at [http://www.isitdoneyet.gov](http://www.isitdoneyet.gov/)

“Thermy™” available at <http://www.fsis.usda.gov/Food_Safety_Education/Thermy>

Thermometer Resource available at <http://www.nfsmi.org/Information/thermometer_resource.html>