

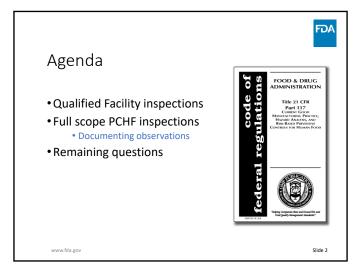
#### **Preventive Controls for Human Foods Inspections**

**AFDO Bootcamp** January 15, 2025

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## Qualified facility – definition

- A very small business
  - < \$1 million annually (including subsidiaries and affiliates)
    - Sales of human food
      - Average from previous 3-year period
        - Adjusted for inflation since 2011 (FSMA)
    - Plus market value of human food manufactured, processed, packed, or held without sale (e.g. held for a fee)

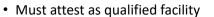
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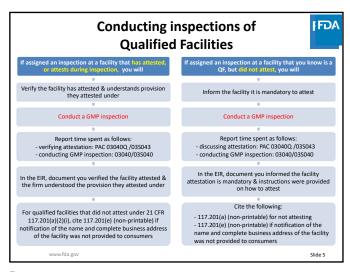
FDA

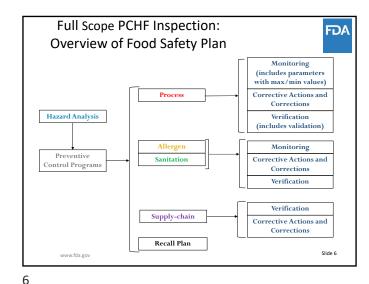
## Qualified facility – consequence



- Exempt from PCHF requirements regardless of whether it attests
- Subject to CGMP (foundation)







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## Full Scope PCHF Inspection

#### Conduct initial interview

• Obtain information about products and processes

FDA

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- · Determine scope of inspection
- · Choose product to cover
  - High risk

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- May need more than one product to cover all PC programs
- · Obtain schedules for upcoming facility activities
  - E.g. ingredient receiving, production, allergen changeover, sanitation

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#### **Full Scope PCHF Inspection**

#### Conduct walk-through of facility

- Prepare flow diagram or verify facility's flow diagram
- Write a brief description of process at each step
  - Gather basic food information
  - Include information you need to conduct your own HA
- Observe employee practices and note any deficiencies for later use

FDA

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#### Conduct your own hazard analysis

- Conduct finished product HA (process-related hazards) to determine which hazards require a preventive control at facility
  - Chapter 3 and Appendix 1 of <u>Food Hazards Guide</u>
- Conduct ingredient HA to determine which hazards associated with incoming ingredients require a preventive control
  - Obtain label and confirm ingredients
  - Chapter 3 and Appendix 1 of Food Hazards Guide

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#### Full Scope PCHF Inspection



A process preventive control is necessary when: the facility applies a process to control significant hazards, typically to the food itself

- Think "Critical Control Point" in a HACCP plan
- Process PCs typically have parameters with minimum/maximum values
  - Think "critical limit" in a HACCP plan
- Examples of process controls include:
  - Heating, cooling, refrigerated storage for safety, and metal detection

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## **Full Scope PCHF Inspection**



# An allergen preventive control is necessary when:

- The firm receives, stores, and uses allergenic ingredients
  - If product is or contains an allergen, a preventive control is generally needed for undeclared allergens
  - If unlike allergens are present in facility, a preventive control may be needed to control allergen cross-contact (unintended allergen presence)

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## Full Scope PCHF Inspection



#### A sanitation preventive control is necessary when:

- The facility processes a finished product that is readyto-eat and is exposed to the environment prior to packaging and there is an opportunity for pathogen recontamination.
  - A sanitation preventive control will generally be required in the area where RTE food is exposed and there is a risk of pathogen cross-contamination through poor employee practices or inadequate equipment cleaning
  - If a sanitation preventive control is necessary, environmental monitoring (sampling) is required

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## Full Scope PCHF Inspection

FDA

#### **Summary of Hazards Requiring a Preventive Control**

Process Controls (Step(s)/Hazard(s))

Allergen Controls (Step(s)/Hazard(s))

Sanitation Controls (Step(s)/Hazard(s))

Supply-chain Controls - Receiving (Ingredient/Hazard(s))

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A supply-chain program is necessary when:

- The ingredient hazard analysis finds the supplier or another entity in the supply-chain (e.g. supplier's supplier) is responsible for controlling the hazard.
  - Hazard controlled prior to receiving at the facility being inspected

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FDA

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## **Cream Filling**

- Silky Sensations Corp. manufactures cream fillings. They are distributed to restaurants who fill them into pastries.
- All fillings contain milk, eggs, and wheat flour. Some fillings contain tree nuts such as almonds and pine nuts; others do not. Equipment is shared for processing the various fillings with and without nuts, on the same day.
- Filling ingredients are mixed and cooked in a kettle.
- Which hazards would require a PC?
  - a) <u>Undeclared allergens</u> due to incorrect label
  - Allergen cross-contact

Poll 2

- Does the hazard of vegetative pathogens require a PC?
  - a) Yes

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b)

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Poll 3: Cream Filling (cont'd)



- utensils). The facility determines that the finished product fillings require refrigeration to control Staph aureus growth and toxin formation, and it establishes the critical limit as < 40°F (Process PC).
- Must the facility independently validate this critical limit?
  - Yes, the PCHF Rule requires every facility to perform its own validation studies
  - Yes, critical limits in all PCs must be validated
  - No, the critical limit is already scientifically established



#### Evaluate the facility's hazard analysis

- Compare your HA summary to the facility's HA
  - Resolve differences if necessary
- Note if facility did not identify a hazard that requires a preventive control
  - Decision to write or discuss observation made later during inspection

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## **Full Scope PCHF Inspection**



# <u>Evaluate the adequacy of the facility's</u> preventive control programs

- Review written preventive control procedures as determined during the HA
  - Adequacy of control measures, monitoring, corrective actions, verification

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## Full Scope PCHF Inspection



#### <u>Evaluate implementation of written preventive</u> <u>control procedures</u>

- Interview employees at each point where controls are applied
  - Tell me what you do
  - What would you do if something went wrong
  - Show me how you fill out your record
- · Observe employee practices
- · Review records
  - Monitoring, corrective action, verification

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## **Full Scope PCHF Inspection**



#### **Document observations**

 PCHF written observations written according to Structure OF Observations job aid for PCHF



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# FDA

#### **Document observations**

- · Determine regulatory significance
  - Significant (major) written
  - E.g. food safety impact, loss of control, repeat
  - Not significant (minor) is discussed
- Significant observations grouped by topic

At pre-op, a supervisor observes an employee walk past the handwashing station and enter the RTE production room without washing and sanitizing her hands.

Poll 4: Hand Hygiene



FDA

This is the third time this month the employee did not wash or sanitize her hands.



- a) Likely yes
- b) Likely no



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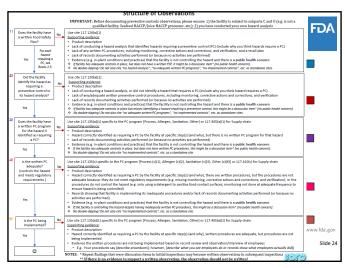
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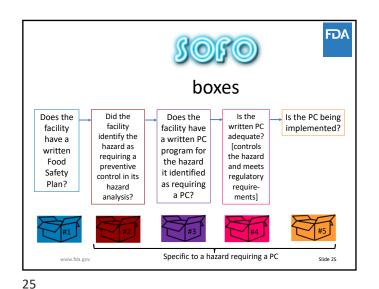
## **Basics of Writing Observations**

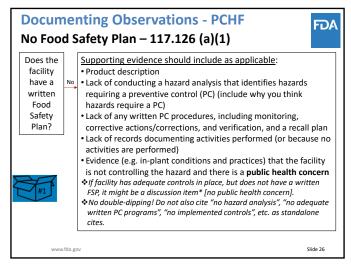


- · Observations must include evidence
  - Written as if they are a stand-alone document
- Start with the most significant observation at the highest level and build the evidence under it
- · Minor observations that are discussion items also need to be documented

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You did not have a written food safety plan. Specifically, FDA product You manufacture two ready-to-eat snack foods, Almond, Cashew, Cherry Bites and Peanut, Raisin, Oat Bars which are exposed to the environment and are processed on shared equipme on the same why hazard requires a PC no hazard analysis Documenting Observations: You did not perform a hazard analysis of your RTE snack foods to 117.126(a)(1) -

No Food Safety

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Plan

identify and evaluate hazard(s) including recontamination with environmental pathogens, allergen cross-contact, undeclared allergens, and metal to determine if any require a preventive

You do not have written preventive control program procedures including monitoring, corrective actions, and verification and you do not have records documenting activities performed.

no written PC procedures

no records of activities performed

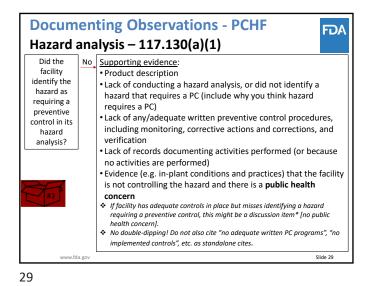
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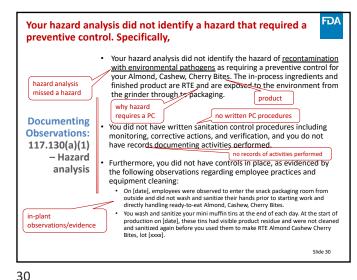
FDA You did not have a written food safety plan. Specifically, (cont'd) Furthermore, you do not have controls in place for any of these hazards as evidenced by: in-plant a) recontamination with environmental pathogens: In date, employees were observed to enter the snack packaging room from outside and did not wash and sanitize their hands prior to starting work and directly handling ready-to-eat Almond, Cashew, Cherry Bites.

You wash and sanitize your min muffin tins at the end of each day. At the start of production on [date], these tins had visible product residue and were not cleaned and sanitized again before you used them to make RTE Almond Cashew Cherry Bites, lot [xxxx]. evidence Documenting Observations: b) allergen cross-contact: 117.126(a)(1) -On [date], employees did not wash the mixer that had been used to make Peanut, Raisin, Oat bars before using to mix ingredients for Almond, Cashew, Cherry Bites, lot [toxxx]. Food residue was visible on the mixer paddle and interior of the mixing bowls. No Food Safety Plan c) undeclared allergens On [date], during a production run of Almond, Cashew, Cherry Bites, lot [xxxx], an employee brought a new roll of foil pouches to replenish the line. However, the pouches were for your Peanut, Raisin, Oat Bar which does not declare almonds and cashews. The error was not noticed, and production why this hazard requires a PC There is metal-on-metal contact during the grinding of almonds and cashews used for your Almond, Cashew, Cherry Bites. You do not have a metal detector or any other control measure in place to ensure the hazard of metal inclusions is controlled.

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**Documenting Observations - PCHF** FDA No Written PC program for significant hazard - 117.135(a)(1) specific to Process/Allergen/Sanitation/Other PC program - 117.405(a)(1) for Supply-chain Does the Supporting evidence: facility have Product description a written PC Hazard correctly identified as requiring a PC by the facility at program for specific step(s) (and why), but there is no written PC the hazard program for that hazard it identified Lack of records documenting activities performed (or as requiring because no activities are performed) a PC?

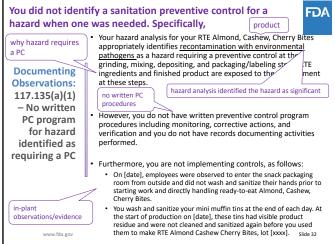
Evidence (e.g. in-plant conditions and practices) that the facility is not controlling the hazard and there is a public

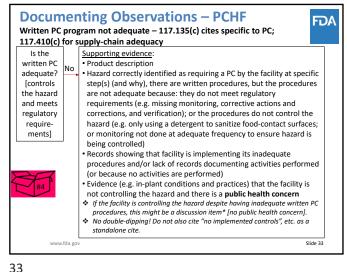
health concern If the facility has adequate controls in place, but does not have written PC procedures, this might be a discussion item\* [no public health concern].

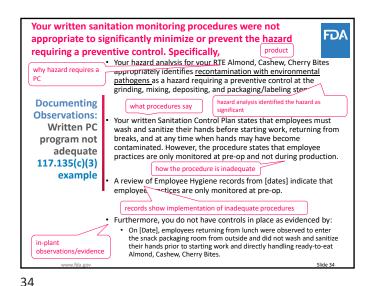
❖No double-dipping! Do not also cite "no implemented controls", etc.

as a standalone cite.

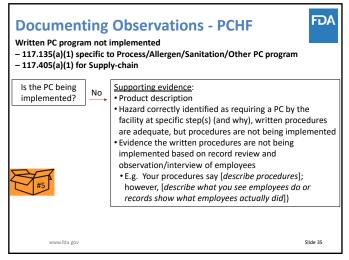
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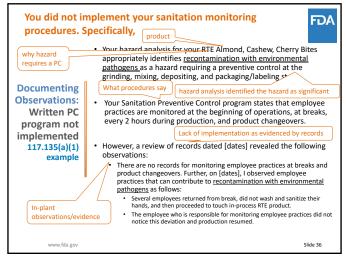






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