

WELCOME!

- Thank you for attending!
- Platform: WebEx Events
- You are not able to unmute or show your camera
- Chat to "All Panelists" to share ideas, ask questions, and give comments.
- Send questions at any time; some will be held until Q&A time
- A copy of the slides will be posted on www.snhd.info/ehrcp



Agenda



SNHD Environmental Health Introductions



Vomit & Diarrhea Cleanup Procedures – Larry Navarrete, EH Training Officer



Sushi Rice Acidification – Tara Edwards, Senior EHS



Special Events Highlights – Kristopher Kaplan, Senior EHS



Environmental Health Updates



Q&A



Chris SaxtonDirector of EH

Aaron DelCotto

Food Operations General Inspection Manager

Larry Rogers

Food Operations Regulatory Compliance Manager

Karla Shoup

Consumer Health Manager

Tanja BaldwinDowntown

Alexis Barajas

Spring Valley

Tamara Giannini

Strip

Jason Kelton

North LV

Mikki Knowles

Paradise

Robert Urzi

Henderson

Nikki Burns-Savage

Specialized Foods
Christine Sylvis

Regulatory Support

Mark Bergtholdt
Special Programs
Candice Sims
Plan Review





VOMIT AND DIARRHEA CLEANUP PROCEDURE

PRESENTED BY:
LARRY NAVARRETE
EH TRAINING OFFICER
FSP MEETING 4/22/24



AGENDA

CREATE A PLAN

PROVIDE EQUIPMENT AND CHEMICALS

WRITE DOWN THE PROCEDURE

PROVIDE TRAINING

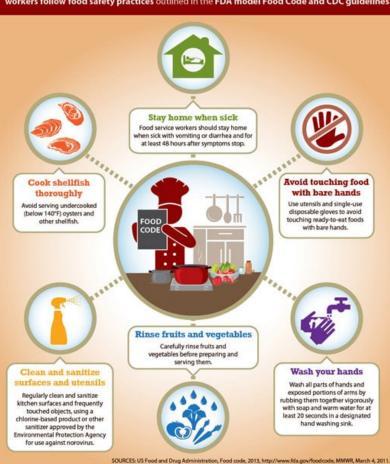
FINAL TIPS & TAKEAWAYS

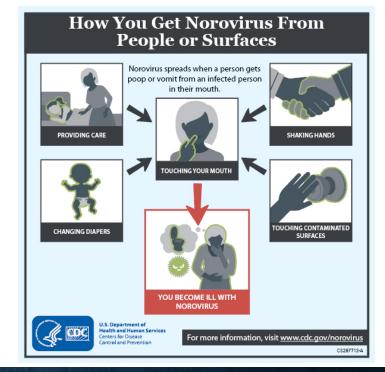
REGULATION 2-501

 A food establishment must have written procedures for employees to follow when responding to events that involve the discharge of vomitus or fecal matter onto surfaces in the food establishment. The procedures must address the specific actions employees must take to minimize the spread of contamination and the exposure of employees, consumers, food, and surfaces to vomitus or fecal matter.

Ways to prevent norovirus outbreaks from food contamination

Kitchen managers should be trained and certified in food safety and ensure that all food service workers follow food safety practices outlined in the FDA model Food Code and CDC guidelines.





WHY DO I NEED A PROCEDURE?

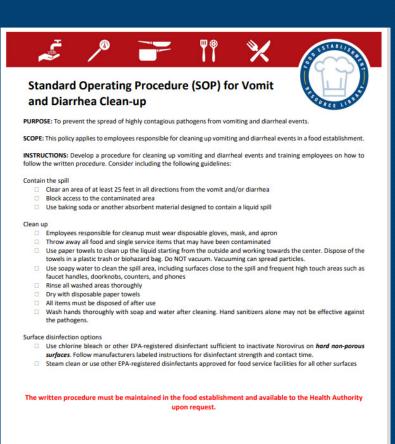
TO PREVENT THE SPREAD OF NOROVIRUS

CREATE AN EFFECTIVE PLAN

DEVELOP A PROCEDURE FOR CLEANING UP VOMITING AND DIARRHEAL EVENTS



SNHD TEMPLATE





280 S. DECATUR BLVD. • LAS VEGAS, NV 89107 • (702) 759-1110 • WWW.SNHD.INF









Standard Operating Procedure (SOP) for Vomit and Diarrhea Clean-up

			s & Assemble A C				
		faces in the food establishment			sure the planned disinfectant i		
lab	eled for use on those	surfaces (check all surfaces in t	he establishment	t.)			
		e, vinyl, sealed concrete, stainles			ons on disinfectant label.		
■ Porous (unsealed concrete, wood): Follow 'porous' disinfection directions on label.							
	Carpet and upholster	y: Close area and steam clean if	unable to use disi	nfectant.			
	Linens and clothing: N	Machine wash in chlorine bleach	, if possible, and d	Iry hot.			
	Grass and outdoor co	ncrete: Block access, use absorb	ent material on s	pill, scrape into bag	g, and rinse area with water.		
Cle	an-Up Kit: Identify ite	ems available for clean-up in the	e food establishm	ent (check all that	apply):		
☐ Disposable masks		 Absorbent material (bakir soda, kitty litter) 	ng Disposa vacuum)	ble mop head (no	☐ Goggles		
☐ Disposable gloves		☐ Disposable scoop/paper plates	☐ Mop bu	cket/hot water	☐ Disposable paper towels/cloth		
☐ Disposable aprons ☐ Garbage bags			☐ Caution	tape or signs	□ Soap		
Dis	infectant: Detail how	to make and use the disinfecta	nt (follow mixing	instructions on th	e label)		
EP/	A-Registered Disinfect	ant Name: 🗆 Bleach or 🗆 O	ther				
Am	ount of disinfectant:	Amount of	water:	Contact	time:		
Inst	tructions:						
Loc	ation of the kit:	Location o		clean reusable to			
Not	te: Tools used to clear	n-up vomit and diarrhea should	not be stored or c	leaned in the kitch	en if possible.		
			ployee Training				
Em		erly trained in advance. Select a	II that apply.				
	How are employees						
	☐ Read and sign th		onstration	Other:	200		
	How often are emp	loyees trained?					
	□ Once	☐ Quarte		Annually	Other:		
		Additional Fa	cility-Specific Info	rmation			
		Additional Fa	cility-Specific Info	rmation			
			n Maintenance				
	Where is the clean-up plan kept in the food establishment?						
	How often is the pla	ow often is the plan reviewed and updated? Annually Other:					
	700	Person in Charge	(PIC) and Employ	ee Signature			
_							
	son in Charge Signati		Printed No		Date		



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CONTAIN THE SPILL



- Clear an area in all directions from the vomit and/or diarrhea
 - Norovirus can aerosolize in vomitus and spread up to 25 feet
- ► Block access to the contaminated area
- ➤ Use a material like baking soda, kitty litter, or sawdust to absorb the spill

CLEAN UP PART 1

- Use personal protective equipment
- Throw away any food and single service items that may have been contaminated
- Start picking up the spill from the outside and work in
- >DO NOT VACUUM



CLEAN UP PART 2

- ➤ Use hot soapy water to clean all affected areas, including high touch surfaces like faucet handles, door handles, countertops, and tables
- Rinse all washed areas thoroughly
- Dry with disposable paper towels
- Dispose of anything used to clean spill in a plastic trash or biohazard bag







DISINFECT

- Disinfectant should be effective againstNorovirus
- Follow label directions for concentration and contact time
- Wash hands thoroughly

WHAT IF SOMEONE ELSE CLEANS UP?

- ➤ A written plan is still required if an independent service/different department is responsible to clean the spill
 - How to cordon off and restrict?
 - >Who to call? (such as environmental services)
 - Disposal of items? Discarding open food?

PROVIDE EQUIPMENT AND CHEMICALS

IDENTIFY SURFACES AFFECTED AND PROVIDE APPROPRIATE EQUIPMENT AND CHEMICALS NEEDED



PERSONAL PROTECTIVE EQUIPMENT (PPE)

- >PPE is vital to prevent contamination during the clean up procedure.
- > Consider
 - Disposable mask
 Disposable aprons
 - ➤ Disposable gloves ➤ Safety goggles

EQUIPMENT

- Proper equipment is necessary
- >What do you need?
 - >Absorbent material
 - ➤ Disposable scoop
 - Garbage bags
 - Caution tape or signs

- Disposable mop head
- Mop bucket/hot water
- Disposable paper towels

DISINFECTANT

- >Approved disinfectant for hard, non-porous surfaces
 - FEPA-registered disinfectants
- Steam or approved food contact disinfectant for all other surfaces
- Follow label directions for concentration and contact time for the type of surface.
- If disinfectant concentration is used for food contact surfaces, properly wash rinse and sanitize after disinfection.

DO I NEED TO BUY A KIT?

















Standard Operating Procedure (SOP) for Vomit and Diarrhea Clean-up

	. 1 . 11 . 11 . 6		. 'II I I I I I I I						
Surfaces: Identify all surfaces in the food establishment that will need to be disinfected. Ensure the planned disinfectant is labeled for use on those surfaces (check all surfaces in the establishment.)									
Hard, non-porous (tile, vinyl, sealed concrete, stainless steel): Follow 'non-porous' directions on disinfectant label.									
Porous (unsealed concrete, wood): Follow 'porous' disinfection directions on label.									
□ Carpet and upholstery: Close area and steam clean if unable to use disinfectant.									
□ Linens and clothing: Machine wash in chlorine bleach, if possible, and dry hot.									
Grass and outdoor concrete: Block access, use absorbent material on spill, scrape into bag, and rinse area with water.									
Clean-Up Kit: Identify items available for clean-up in the food establishment (check all that apply):									
■ Di	isposable masks	 Absorbent material (baking 	Disposable mop head (no	□ Goggles					
		soda, kitty litter)	vacuum)						
■ Disposable gloves		Disposable scoop/paper plates	☐ Mop bucket/hot water	 Disposable paper towels/cloth 					
■ Disposable aprons		■ Garbage bags	☐ Caution tape or signs	■ Soap					
Disinfectant: Detail how to make and use the disinfectant (follow mixing instructions on the label)									
EPA-Registered Disinfectant Name: Bleach or Other									
Amount of disinfectant: 1/3 cup Amount of water: 1 gallon Contact time: 5 minutes									
Instructions:									
Location of the kit: Manager's office Location of the utility sink to clean reusable tools: By back door									
Note: Tools used to clean-up vomit and diarrhea should not be stored or cleaned in the kitchen if possible.									
Employee Training									
	Employees must be properly trained in advance. Select all that apply. How are employees trained?								
	Read and sign the plan Kit demonstration Other:								
	How often are employees trained?								
	Once	□ Quarterly	Annually	☐ Other:					
Additional Facility-Specific Information									
PIC: Clear an area of 20 feet in all directions around the vomt/diarrhea. Discard all food and single service items. Dishwasher: Don PPE listed above. Use baking soda to soak up then use paper plates to scoop into trash bag. Use hot, soapy water to clean the 20 feet area starting from the furthest working to the middle. Pinnse the area with water. Apply dishrectant with cloth towers and make are it stays wet for 5 minutes. Put all supplies used and PPE in trash bag, be in knot and discard in dumpsier. Wash hands horoughly.									
Plan Maintenance									
	Where is the clean-up plan kept in the food establishment? Manager's office								
	How often is the plan reviewed and updated?								
Person in Charge (PIC) and Employee Signature									
-	Person in Charge Signature Printed Name Date								
Emp	Employee Signature Printed Name Date								

THE PROCEDURE

- The written procedure must be available to staff (and inspector upon request).
 - Easily accessible digital copies are acceptable.

PROVIDE TRAINING

A PIC should know what to do prior to a vomiting or diarrheal event.

- How are employees trained?
 - When/how often?
- Location of written procedure?
- Where is the kit/supplies?
- How often is the plan updated?
- Are the chemicals in date?





FINAL TIPS & TAKEAWAYS

- The PIC should know where the written plan is located, what items are necessary, and what to do PRIOR TO an event occurring.
- ➤ A written procedure must be available for review by your inspector. An easily available digital copy is also acceptable.
- >Have materials ("kit") that has supplies and chemicals stated in your preedures to take care of an actual spill



SUSHI RICE ACIDIFICATION

Exploring the Hazards, Controls, and Requirements

April 22,2024
Presented by Tara Edwards



SUSHI RICE

Cooked rice mixed with vinegar and seasonings

Commonly mixed with fish , vegetables, etc.







Time temperature control for safety (TCS) food unless proven otherwise



HAZARDS



MICROBIAL GROWTH

Cooked rice=good growth medium

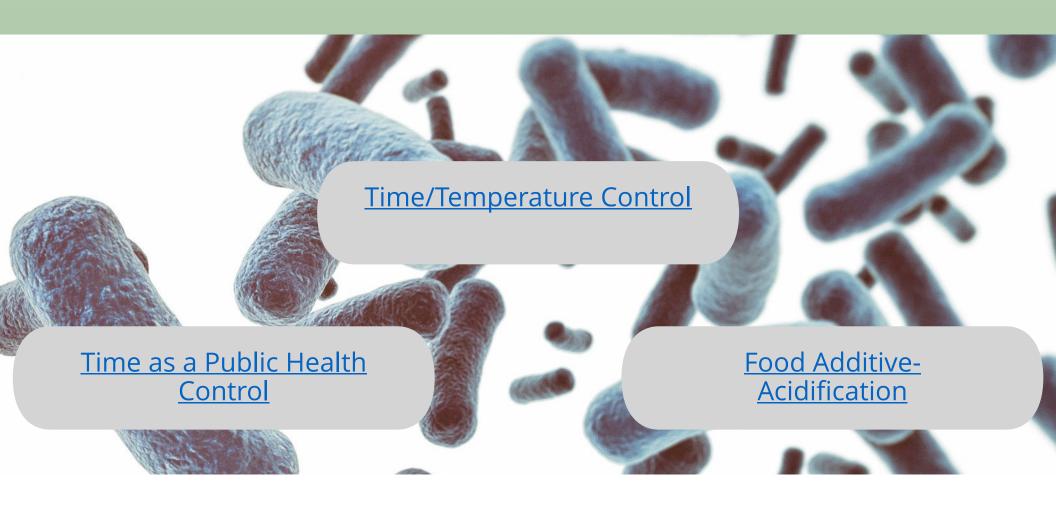
- Nutrients
- pH Measure of acidity
 - Unacidified = 6-7 (~Neutral)
- High water activity (Aw) = Available water

OTHER

- Poor personal hygiene
- Improper storage or handling
- Inadequate cleaning and sanitization of food contact surfaces



CONTROLS TO PREVENT MICROBIAL GROWTH



TIME/TEMPERATURE CONTROL

Cooling: 3-501.4 of the regulations

135-70°F in 2 hours

AND

135-41°F in 6 hours

Holding: 3-501.6 & 3-501.7 of the regulations

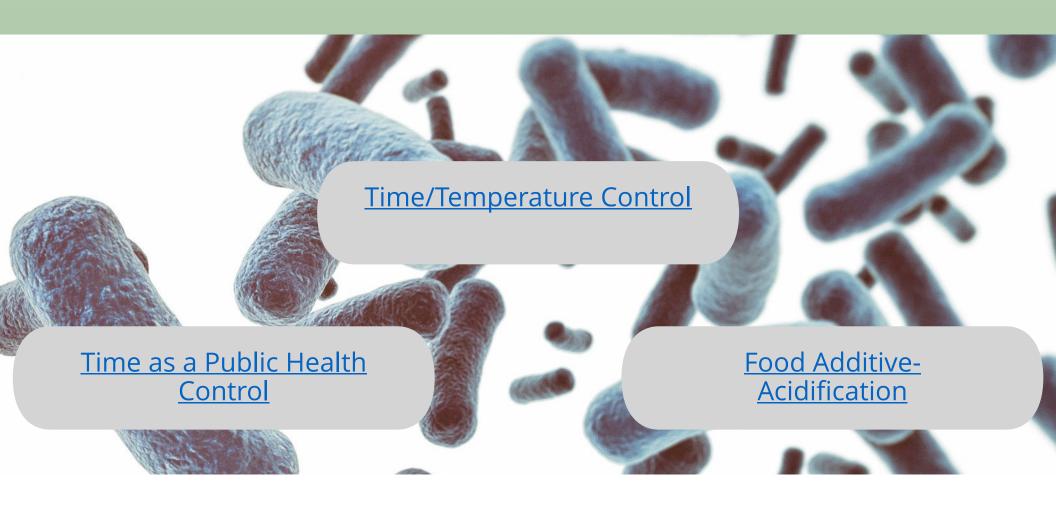
135°F or above

OR

41°F or below for 7 days or less



CONTROLS TO PREVENT MICROBIAL GROWTH



TIME AS A PUBLIC HEALTH CONTROL

3-501.9 of the regulations

Initial temperature of

• 41°F or below or 135°F or above

Food marked to indicate the time that the food must be served or discarded

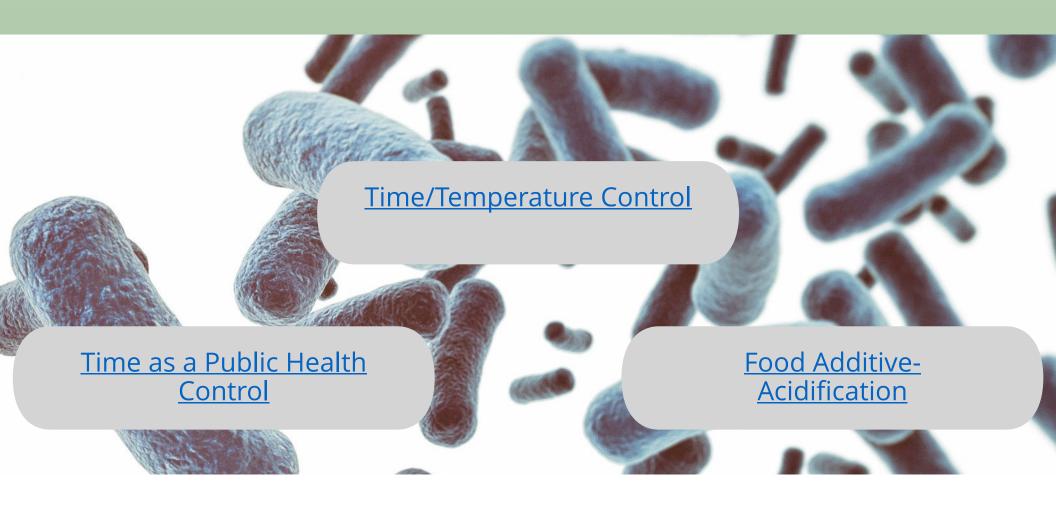
Discarded in

• 4 hours (any temperature)

Written procedure



CONTROLS TO PREVENT MICROBIAL GROWTH



FOOD ADDITIVE- ACIDIFICATION





8-201.3 HACCP PLAN REQUIRED -Approved

3-502.1 WAIVER REQUIRED

3-502.1 WAIVER

A food establishment must obtain a waiver from the health authority as specified in § 8-103.1 and under § 8-103.2 before

- (C) using food additives or adding components such as vinegar
- (1) as a method of food preservation rather than as a method of flavor enhancement

Or

(2) to render a food so that it is not TCS food.

The health authority may approve an exemption to 3-502.1 (c)(1) or (c)(2) if, based on annual lab testing for aw, pH, or a challenge study, the food is proven to be non-TCS and is sold only at retail with no distribution to other entities.







HACCP PLAN AND WAIVER

3-502.1 A food establishment must obtain a waiver from the health authority as specified in § 8-103.1 and under § 8-103.2 before

- (C) Using food additives or adding components such as vinegar:
- (1) As a method of food preservation rather than as a method of flavor enhancement
 - If the ingredient is used to make the food safe = a method of food preservation





HACCP PLAN AND WAIVER

3-502.1 a food establishment must obtain a waiver from the health authority as specified in § 8-103.1 and under § 8-103.2 before

(C) using food additives or adding components such as vinegar:

(2) to render a food so that it is not TCS foodRice pH < 4.2

 $\label{eq:Table B} \mbox{Interaction of pH and a_w for control of vegetative cells and spores in food} \\ \mbox{Not heat-treated or heat-treated but not packaged}$

a _w values	pH: < 4.2	pH: 4.2 - 4.6	pH: > 4.6 - 5.0	pH: > 5.0
< 0.88	Non-TCS food	Non-TCS food	Non-TCS food	Non-TCS food
0.88 - 0.90	Non-TCS food	Non-TCS food	Non-TCS food	PA
> 0.90 - 0.92	Non-TCS food	Non-TCS food	PA	PA
> 0.92	Non-TCS food	PA	PA	PA

HACCP PLAN AND WAIVER TEMPLATE

Single Hazard Special Process HACCP Plan for

Acidification



A. General Information for Waiver Requ	A.	General Informa	tion for V	Vaiver	Keaı
--	----	-----------------	------------	--------	------

Facility Name:	
SNHD Permit Number for Primary Processing	Permit:
Contact Person Name:	
Contact Phone Number:	
Contact Email Address:	
Will the process take place in more than one Yes No	permitted area within your facility?
If yes, list the name and permit num	ber(s) for each restaurant/outlet:
Will product be served at more than one res	taurant/outlet?
If yes, list the name and permit num	ber(s) for each restaurant/outlet.

B. Categorization - Acidification

Products that require a Single Hazard Special Process HACCP Plan for Acidification are Time/Temperature control for Safety (TCS) Foods to which an acid (e.g. vinegar, lime juice, lemon juice, etc.) has been added to decrease the pH to a level that renders it a non-TCS. Some common examples of products that utilize this process include sushi rice, salsa, marinades, and salad dressings.

The Southern Nevada Health District 2010 Regulations Governing the Sanitation of Food Establishments define a potentially hazardous food (PHF) [TCS food] as a food that can support the growth of pathogenic microorganisms. Section 3-502.11 of the states: "A FOOD ESTABLISHMENT shall obtain a WAIVER from the HEALTH AUTHORITY as specified in Chapter 4-101.13 of these Regulations prior to: (C) Using FOOD ADDITIVES or adding components: (2) To render a FOOD so that it is not PHF (TCS)," In addition, section 4-101.14 When a HACCP PLAN is Required of the Regulations specifies that a HACCP plan must be prepared and approved by the health authority if a "A WAIVER is required as specified in Chapter 3-502.11" of the Regulations. Thus, allowing an acidified food to be stored at a temperature between 41°F and 135°F for more than 4 hours or extending the shelf life beyond 7 days

requires a HACCP plan approved by the SNHD.

[Instructions] - Add each step of the acidification process in the following table starting in box 1. The first step should be receiving ingredients and the last step consumption or sale of the product.

1	2	3
-		
		_
4	5	6
7	8	9
*	l °	,
10	11	Last- consumption (foodservice)
		or sale to consumer (retail)
		or sole to consumer (retail)

The primary hazard in holding TCS food at room temperature and/or beyond the 7-day shelf life is the presence and potential growth of pathogens. Improper acidification of the product may allow for an increase in the number of pathogens that cause foodborne illness.

The main control that prevents the growth of pathogens is acidification. Most pathogens do not grow at pH levels below 4.2. Therefore, acidifying ingredients are added to reduce the pH of the product to below 4.2. Proper pH measurements as well as verification that pH meters are accurate ensures this control measure is effective and the product is safe.

The step in which acidifying ingredient is added to the product is number [Fill in number]. This is the critical control point. Mark that step above with the designation "CCP" to indicate that as a Critical Control Point (CCP).

D. Acidification CCP Summary

Critical Limit

The product must be acidified to a pH of less than 4.2.

sponsible, how pH will be at final pH will be



:orrective action must be



red pH measurements

ning the pH meter

A record of pH meter calibration, pH measurements, corrective actions, and PIC verifications must be kept. Records MUST be kept for (Fill in amount of time record(s) will be maintained) and made available to the Regulatory Authority upon request.

The PIC must review HACCP plan documents with employees and complete a hands-on training [Fill in hen training will take place, e.g., before implementing the process, when corrective acti essary, yearly, etc.).

- Training must include the following:
- ☐ Hazards related to the process
- ☐ Method for controlling the hazards (e.g. acidification)

- Final pH
- Method of monitoring
- Applicable corrective actions ☐ Hand washing per the SNHD food regulations
- ☐ Cleaning and sanitizing per the SNHD food regulations
- ☐ Eliminating bare hand contact with ready to eat foods per the SNHD food regulations
- Personal hygiene per the SNHD food regulations □ pH meter Use and Calibration SOP
- Employee Health Policy
- ☐ Completion, verification, and maintenance of applicable records

Provide a training record as an attachment to this Single Hazard Special Process HACCP plan. The training sessions must be documented on this record, and must include date, employees present, and instructor. The training record will be maintained [Fill in the amount of time that the training record

F. Additional Documents

rovide the following documents: ☐ pH Meter Use and Calibration SOP and Record

- ☐ Employee Health Policy ■ Documentation used for acidification (final pH of each batch and corrective actions)
- ☐ Blank Training Record
- ☐ Recipes for each acidified product covered under this plan
- ☐ Final pH lab test of each acidified product covered under this plan

Signature

[Insert name of person in charge [PIC]], as the person in charge of [Insert facility name that the Single Hazard Special Process HACCP Plan will be fully implemented as written

Signature	Date	

3-502.I WAIVER-EXEMPTION

The health authority may approve an exemption to 3-502.1 (c)(1) or (c)(2) if:

- Based on annual lab testing for aw, pH, or a challenge study, the food is proven to be non-TCS
- Is sold only at retail
- · With no distribution

pH = < 4.0

Only at retail= No wholesale

No distribution=

- Made and sold in same establishment
- Not packaged for offsite consumption

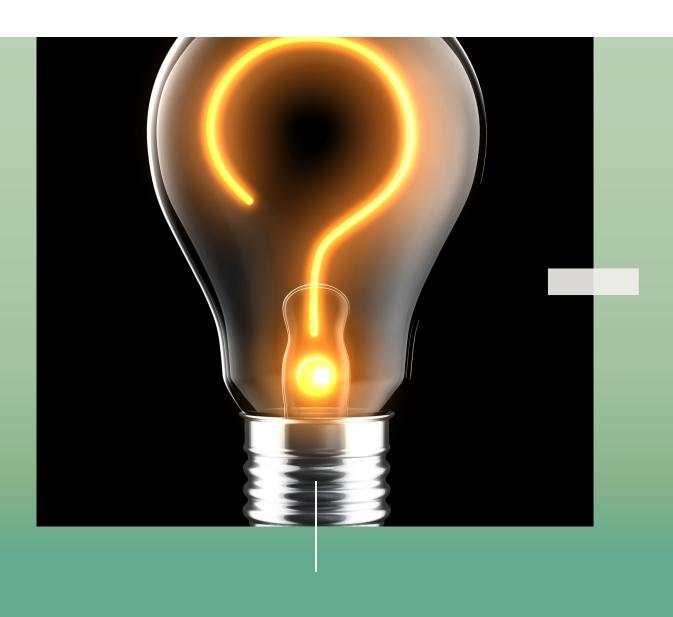
APPROVED EXEMPTION

	SNI
GENERAL INFORMATION	Southern Nevada Health Di
Company name:	
SNHD permit number:	
Contact name:	
Contact phone number:	
Contact email address:	
EXEMPTION REQUEST FOR:	
ADDITIONAL INFORMATION: Will the product be packaged for retail sale? ☑ Yes ☐ No Will the product be sold/served in any other establishment or outlet?	Z]Yes □No
ATTACHMENTS: Attach all supporting documentation to show the product will be made consistently (e.g., recipe, process, lab test, etc.).	safely and

Approved prior to implementation:

- Recipe with proportions and process steps
- Lab test





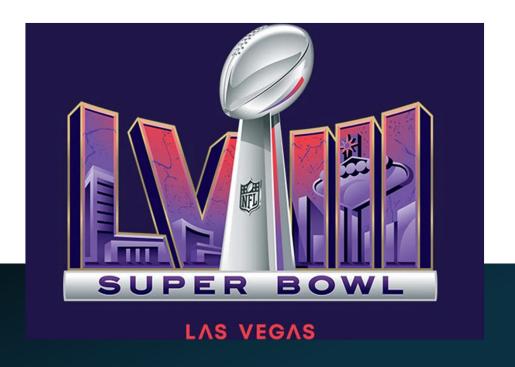
Questions?

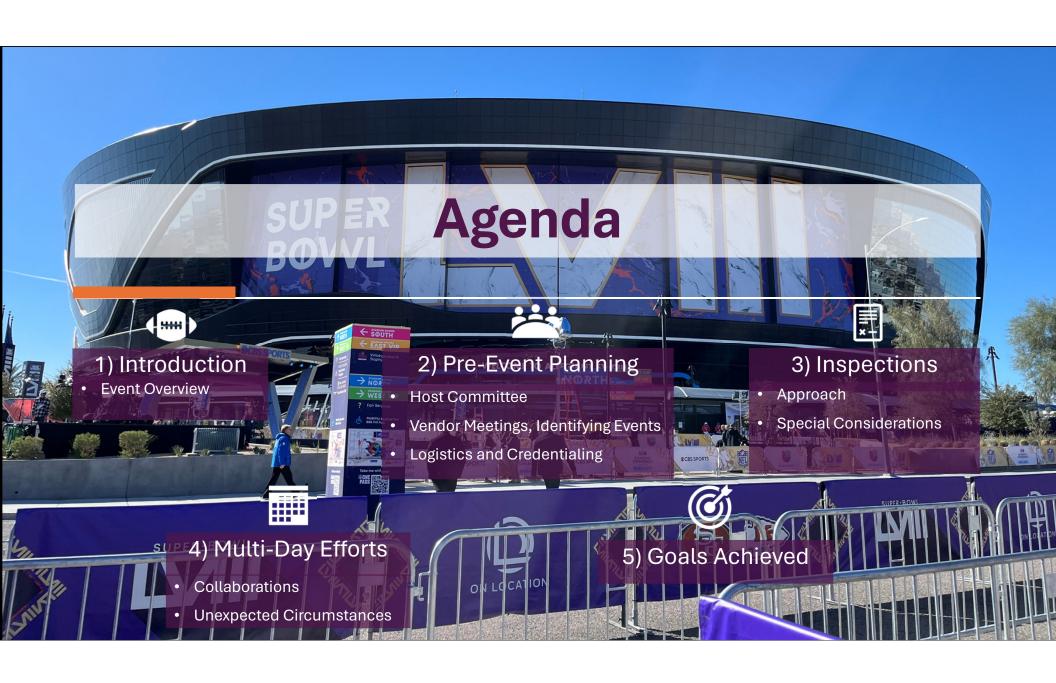
Contact: HACCP@SNHD.org



Super Bowl LVIII

Southern Nevada Health DistrictFood Safety Partnership Meeting





Event Overview

- Weeklong occasion with over 170+ associated events in Clark County:
 - Super Bowl Opening Night
 - Super Bowl Experience
 - Super Bowl Media Center
 - Taste of the NFL Culinary
 - Shaq's Fun House
 - Guy Fieri's Tailgate
 - Super Bowl Gameday Experience









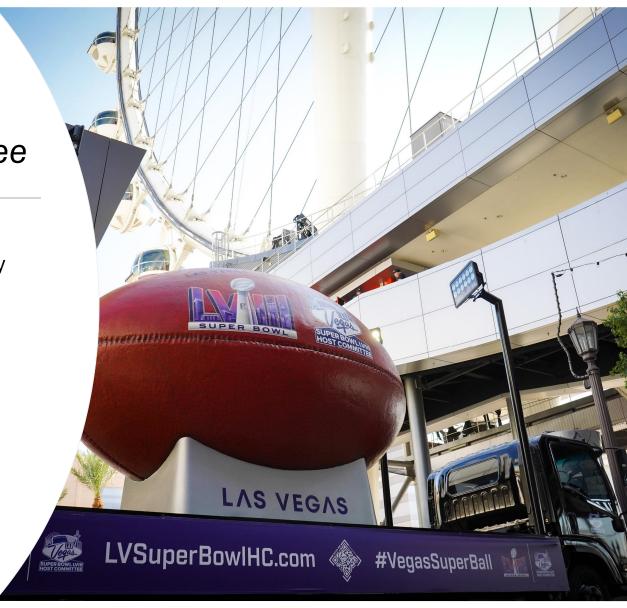
Pre-Event Planning:Super Bowl Host Committee

 Local volunteers that oversee NFL staff and serve as a liaison to the community

Served as a point of contact for SNHD

• Initial meeting 8/24/2023

Resource for Logistics and Information





Pre-Event Planning:Mapping out the Event

What happens prior to the kickoff?

Everyone knows about the game, but what about the tailgate?

- # of attendees 60,000
- # of tailgate parties 8
- Vendor meetings and walkthroughs prior to gameday

Events Associated with Super Bowl

- # of official sponsored parties 170
- # of official events requiring SNHD permits 47
- Many events across all Food Ops offices





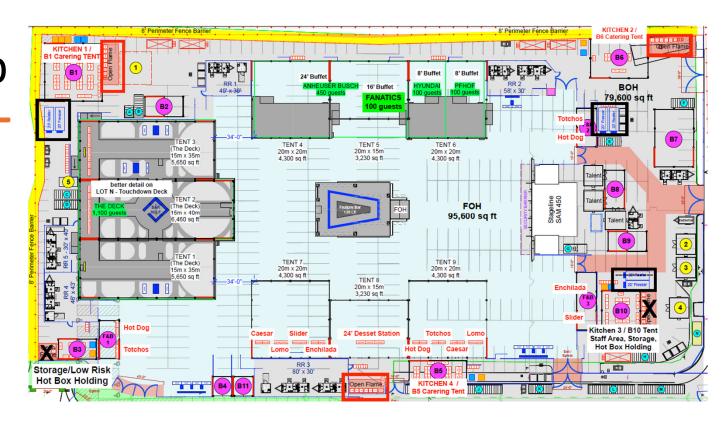


Gameday Experience

- "Tailgating" at Allegiant Stadium prior to the game.
- > Service for 50,000 people across 8 different areas.
- All-Inclusive Buffets
- Traditional Point of Sale
- Tasting/Sampling Booths

Pre-Event Planning Map

- Kitchen build outs
- Point of sale or service
- Potable Water
- Wastewater
- Setbacks as required





Homeland Security

Logistics + Credentialing

- High level security event (SEAR 1 Event) supported by the Federal Government
- Credentials needed for consistency among various agencies
- Access requested for 35 staff to specific zones at Allegiant and casino properties
- Many challenges and confusion due to this being a firsttime event in Las Vegas

Inspections



· Inspections focused on:

- Access to potable water
- Waste disposal
- Hand sinks
- Refrigeration
- Cross-contamination
- Sanitizing
- Food Temperatures

Special Considerations:

- Non-Continuous Cooking
- Cooling
- Overnight Storage
- Oysters SOPs
- Permits operating for long duration
- ROP and other Special Processes

Collaborative Effort

Collaborations

- -Initial walkthroughs began on 1/23/2024
- -Common goal of having everything set and ready by game day.

Surveillance

- -SNHD began inspections on 2/8/2024
- Infrastructure
- Water/sewer
- Setback requirements

Inspections

- -Final inspections took place on Super Bowl Sunday.
- -No major issues identified

Unexpected Circumstances

Credentialing

- Operational plan and credentialing submission
- Missing staff credentials
- Missing accurate credentials
- Timing/Entry issues

Parking

- Constant change in parking availability
- No designated spot for Super Bowl Sunday

Security

- VACIS in effect
- Clear bag policy in effect

End Goals Met

- Cooperative effort to ensure the entire event met SNHD public health and safety standard.
 - Allegiant Permit Count
 - 370 tasting booths
 - 143 temporary food establishments
 - SNHD Total Permit Count
 - 632 tasting booths
 - 274 temporary food establishments







Environmental Health Updates

SNHD Invoices

- Invoices will be sent out first week of June
 - Electronically or mailed
- Permit fees will be adjusted to include the Consumer Price Index (CPI) of 3%
- The invoice will include the date late fees go into effect
 - This has historically been November 1; please take note of the new date.

If you would like to optin to electronic
invoices, please visit:
 https://www.southern
 nevadahealthdistrict.or
 g/permits-and-
 regulations/environme
 ntal-health-online-
 invoice/



Food Handler Safety Training Cards AKA Health Cards

- Food Handler Safety Training Card testing is now conducted by appointment or as a walk-in.
- ADVANCE appointments open for booking at 6 a.m. each weekday morning for that day in the following week.
- WALK-INS are accommodated as capacity allows 7:30 to 11 a.m. and 1:30 to 4 p.m. at the Decatur, Fremont, and Henderson offices.
 - Laughlin and Mesquite remain by same-day appointment only.

www.snhd.info/foodhandlerappointments.



Certified Food Safety Manager Card

- Visit a Health Cards office between 7:30 and 11 a.m. or between 1:30 and 4 p.m. No appointment needed.
- Present a printed certificate from an ANSI-accredited manager program listed at <u>www.snhd.info/foodsafetymangaer</u>
- Pass SNHD 10-questions food safety test.
- Manager Health Card expiration date will match certificate expiration date.



Question & Answer Time

What questions do you have for us?

What's on your mind?

How can we help?



Chat to "All Panelists"

Bottom right of screen







Next Meeting

- July 22, 2024
 - Suggested Topics?
- Send comments, questions, or suggestions to EHTrainingOffice@snhd.org
- Copy of presentation and register for next meeting at <u>www.snhd.info/ehrcp</u>
- Contact us: 702-759-0500

