Seafood Safety: Regulations and Requirements





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Outline



- Regulatory agencies in VA
- Permits to sell your seafood products
- Seafood Safety Extension Program
- Summary





Photos by: Keri Rouse, VSAREC

Regulatory Agencies



Permits to sell your seafood products

VDACS

- VDACS License/Certificate of Inspection
 - Home Food Processing
 - Commercial Kitchen Processing
 - Manufacturing/Warehouse Food Establishment

VDH

- Certificate of inspection by the Division of Shellfish Safety
 - Renewed annually



CERTIFICATE OF INSPECTION

IRGINIA DEPARTMENT

Issued b

Program Supervisor Food Safety Program Virginia Department of Agriculture & Consumer Services

Where do you plan to sell your seafood product? Retail Wholesale

- Farmer's market
- Direct sales

Requirements

- Seafood HACCP Certificate*
- Good Manufacturing Practices
- Sanitation Standard Operating Procedures
- Allergens



Source: Virginia Sea Grant

Other companies

- Restaurants
- Grocery stores
- Hotels



Requirements

- Seafood HACCP Certificate
- Good Manufacturing Practices
- Sanitation Standard Operating Procedures
- Allergen cross-contact program
- Employee training and records

General information & requirements



- Virginia Food and Drink Law
- Good Manufacturing Practices, 21 CFR 117
- Fish and Fishery Products, 21 CFR 123
- Hazard Analysis
- HACCP Plan
- Sanitation Control Procedures
 - Sanitation Standard Operating Procedures (SSOPs)
- Allergen control plan
- Employee training records



VDACS - Home food processing

- Basic business/owner information
 - Pets, must be excluded from the processing area
 - Hours of operation
- Requirements
- Local zoning office approval
- Diagram of the food processing & storage
- Water source & laboratory results
- Sewage information
- Employee training & records
- Prevention of contamination with personal belongings
- List of products and distribution
- Allergen cross-contact
- Ingredients, source of ingredients, allergens present in ingredients
- Product information (Trade Secret)
- Label for each product



T VDACS Food Safety Program PO Box 1163 Richmond, VA 23218-1163 (804) 786-3520 foodsafety@vdacs.virginia.gov

DEPARTMENT USE ONLY									
DATE RECEIVED									
PPLICATION #									
IRM ID #									

Example: diagram of food processing and storage areas

The diagram may be drawn using computer software or drawn by hand.



Food Processing and Storage Area Diagram for the Kitchen Space

Include your diagram here or on a separate sheet. Clearly indicate or label each area used for storage of raw ingredients, packaging materials, finished products, processing areas, warewashing facilities, handwashing sinks, restrooms, etc.

	Written explanation of how contamination with personal belongings will be prevented
Π	Written procedures for preventing allergen cross-contact
	List of all products submitted for review with planned method and place of distribution
Π	List of all ingredients used in your business, with the source of each

VDACS – Commercial kitchen food processing

- Basic business/owner information
 - Hours of operation
- Requirements
- Diagram of the food processing & storage
- Water source & laboratory results
- Sewage information
- Employee training & records
- Prevention of contamination with personal belongings
- List of products and distribution
- Allergen cross-contact
- Ingredients, source of ingredients, allergens present in ingredients
- Product information (Trade Secret)
- Label for each product



The diagram may be drawn using computer software or drawn by hand



Food Processing and Storage Area Diagram for the Commercial Kitchen Space

Include your diagram here or on a separate sheet. Clearly indicate or label each area used for storage of raw ingredients, packaging materials, finished products, processing areas, warewashing facilities, handwashing sinks, restrooms, etc.

VDACS – Manufacturing Establishment



www.vdacs.virainia.aov

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FIRM ID #										

Permit Application for Manufacturing/Warehouse Food Establishment

NOTE: AN INCOMPLETE APPLICATION WILL BE RETURNED FOR CORRECTION.

DOWNLOAD THIS APPLICATION TO YOUR COMPUTER AND OPEN IN ADOBE READER FOR FULL FUNCTIONALITY

This application is for a New Establishment New Owner/Change of Ownership for Existing Establishme										
Establishment Legal Name:										
Doing Business As (DBA) Name:										
Establishment Telephone:										
Establishment Physical Address:										
County or City (list the county or city that assesses the real estate tax for the physical address):										
Establishment Mailing Address:										
Establishment Email Address: Number of Employees:										
Water Supply: Public Private*; List Type (drilled, bored, etc.) *FOR A PRIVATE WATER SUPPLY, ATTACH A CURRENT WATER TEST REPORT SHOWING ABSENCE OF COLIFORM BACTERIA										
Sewage Disposal: Public Private* *FOR A PRIVATE SEWAGE DISPOSAL SYSTEM, ATTACH DOCUMENTATION THAT YOUR SYSTEM IS APPROPRIATE FOR YOUR PLANNED FOOD OPERATIONS; CONTACT THE HEALTH DEPARTMENT FOR ASSISTANCE WITH DOCUMENTATION										
Establishment Ownership Type:										
Name of LLC, Corporation, Partnership, Individual, or Other										
Names, titles, birth dates, and addresses of persons comprising the legal ownership (Attach list if necessary):										
NAME TITLE BIRTHDATE ADDRESS										
Billing Address:										

Pre-Operational Checklist for Manufacturing/Warehouse Establishment

- Supervisors and Employees
 - Documentation and records of education, training, or experience necessary to perform duties
 - Employee health policy for foodborne illness
 - Hygienic practices: clean outer garments, personal cleanliness, hair restraints, single-use gloves, no unsecured jewelry
- Allergen control plan
 - Written procedures for preventing allergen cross-contact during storage and preparation
- Food Safety Plan
 - Hazard analysis, preventive controls, monitoring procedures, corrective action procedures, verification procedures
 - Recall plan
- Supply chain program
- Potable water supply
 - Private water supply shall be tested annually to ensure it is safe and of adequate sanitary quality
- Adequate plumbing
 - Installed in accordance with Plumbing Code; backflow prevention where required
 - Carries sufficient quantities of water to areas throughout the plant
- Adequate sewage disposal system
 - Private sewage systems require approval from the Virginia Department of Health
- Refrigeration equipment
 - Maintain time/temperature control for safety (TCS) foods below 41°F; keep frozen foods frozen
- Thermometers
 - Probe-type thermometer capable of measuring temperatures between 0-220°F
 - Ambient air thermometers in all refrigeration equipment where TCS foods are stored
- Hand washing sinks in all areas where good sanitary practices require employees to wash their hands
 - Supplied with: hot and cold water, soap, paper towels, hand washing signage, refuse receptacles
- D Procedures/facilities (sinks) for cleaning and sanitizing equipment
 - Adequate sanitizer and test strips
- Functional toilet rooms that are accessible to employees at all times
 - Shall be sanitary and provided with an adequate hand washing sink and self-closing door that does not open into
 area(s) where unpackaged food is handled/stored
- Shielded/shatter-proof light fixtures
 - Required in areas where there is exposed food and/or exposed equipment
- Functional and cleanable food processing equipment
- Cleanable floors, walls, and ceilings
 - Shall be made of non-absorbent, durable materials in food preparation and warewashing areas
 - Coving at the floor/wall juncture
- Controls for insects, rodents, and other pests
 - Pests not present; Premises free of harborage and/or breeding places
 - Raw materials, packaging materials, and finished product stored at least 6" off the floor or on pallets
 - Pallets/shelving shall not be flush to the wall
 - Doors, windows, and other openings protected
- Maintained roads, yards, and parking lots around the facility
 - No standing water, weeds, or trash
- Trash receptacles
 - Trash shall be stored, conveyed, and disposed of to prevent against the contamination of food
- □ Copy of Virginia Food and Drink Law, 21 CFR 117 (Good Manufacturing Practices), and 21 CFR 101 (Food Labeling)
 - Note: Additional regulations may apply depending on the type of product you are manufacturing/warehousing
- Approval from other regulatory authorities in the locality
 - Building inspector, fire marshal, etc.
- Submitted VDACS Manufacturing/Warehouse Food Establishment Permit Application

VDACS-FSP-APPMW REV 06/22

VDH - Shellfish Surveillance

VDH

- Shellfish Control Authority
- Authorize waters for harvesting shellfish
- Monitor harvest area
- Issue and notify closure

Virginia Marine Resources Commission (VMRC)

- Manages shellfish licenses for commercial and recreational harvesters/dealers
- Issue "Restricted-use shellstock tag"

Shellfish Harvesting Area Map

Shellfish Harvesting Areas



VDH – Certificate of Inspection

Application for Certificate of Inspection Virginia Department of Health Division of Shellfish Sanitation

The undersigned hereby applies for a <u>Certificate of Inspection</u> to operate a business for the handling, processing and packing of shellfish (as shellfish are defined by the National Shellfish Sanitation Program) for market under the name of:

Mailing address:

Physical location:

If such certificate is granted, the undersigned agrees to comply with the Rules and Regulations of the Virginia Department of Health (VDH) and the applicable statutes of the *Code of Virginia* for the *Sanitary Control of the Growing, Harvesting, Transporting, Processing, Packing and Shipping of Oysters, Clams and Other Shellfish* and with the VDH standards *The Federal Seafood HACCP Regulation, CFR 21, Part 123.* The undersigned further agrees to sell or offer for sale only such shellfish that have been obtained from areas which are considered approved [Section 28.2-808, paragraph (3), *Code of Virginia*], or approved by a control agency in another state; or from disapproved areas only after having been conditioned in accordance with the provisions of a special permit [issued under Section 28.2-811, *Code of Virginia*].

It is understood by the applicant that the State Health Commissioner, or his authorized representative, may in his discretion revoke any certificate granted in accordance with this application for

Shellfish Oct 1 –Sept 30

Crab

• April 1 – March 31

Important information for selling seafood and shellfish

- Seafood products
- Shellstock temperature control
 - Specific guidelines depending on the month of harvesting
- Proper tag in the containers
 - Do not mix batches
- Harvesters have to be licensed
- Keep the tag for 90 days after sale (retail)

HARVESTER NAME:	
HARVESTER IDENTIFICATION	
HARVEST DATE:	E: HARVEST BEC
TIME:	
HARVEST AREA:	20
TYPE OF SHELLFISH:	
QUANTITY:	
HARVEST SITE LOCATION:	Ya
Ш	, 14
TYPE AND	
UNTITY OF	
UNTITY OF	Product of the USA
C QUANTITY OF SHELLFISH THIS TAG IS REQUIRED TO BE AT	R IS EMPTY OR IS RETAGGED AND
C QUANTITY OF SHELLFISH THIS TAG IS REGUIRED TO BE AT THEREAFTER KEPT ON FILE IN	R IS EMPTY OR IS RETAGGED AND FOR 90 DAYS, RETAILERS: DATE
OUDER CONTINUES OF CONTINU	R IS EMPTY OR IS RETAGGED AND FOR 90 DAYS, RETAILERS: DATE
C QUANTITY OF SHELLFISH THIS TAG IS REGUIRED TO BE AT THEREAFTER KEPT ON FILE IN	R IS EMPTY OR IS RETAGGED AND FOR 90 DAYS, RETAILERS: DATE
Dealer Name Dealer Addres ORIGINAL SHIPPERS CERT. NO DATE OF HARVEST:	ON FILE FOR 90 DAYS.

Seafood Safety Extension Program



Seafood Safety Extension



- Scientific and technical assistance Food Safety Plans
- Food Safety Trainings
 - Seafood HACCP
 - Good Manufacturing Practices
 - Sanitation Control Procedures
 - Food Allergen
- Seafood Microbiology Testing
 - Shelf-life studies
 - Environmental sampling



Seafood HACCP Certificate

- Seafood HACCP Alliance/AFDO
 - Basic Seafood HACCP class
 - 3-day class
 - Segment I and Segment II
 - Virtual course (Cornell University)
 - In-person or virtual, 1-day class



Seafood HA — Alliance

National Shellfish Sanitation Program (NSSP)

Guide for the Control of Molluscan Shellfish 2019 Revision



	SEAFOOD HACCP ALLIANCE
	in cooperation with
	THE ASSOCIATION OF FOOD AND DRUG OFFICIALS
	present this
	Certificate of HACCP Course Completion
	to
	having completed the Association of Food and Drug Officials/Seafood HACCP Alliance "Basic Course" in seafood Hazord Analysis and Critical Control Point theory and practical application. This course, developed through a National Sea Grant College Program project, contained the core training manual and curriculum developed by the Sealood HACCP Alliance to teach HACCP concepts for-food safety. This curriculum referenced and incorporated recommendations and concepts from the National Advicory Committee on Microbiological Criteria for Foods, the U.S. Food and Drug Administration's Fah and Fahery Product Hazards and Cantrol Guide, the U.S. Food and Drug Administration's mandatory sealood HACCP regulations (21 CFR Part 123), and various HACCP modes prepared by the governmental agencies, trade associations, academia and Individuals having expert knowledge of the concepts and application of HACCP. This course satisfies the mandatory training requirement contained in 21 CFR, part 123.10.
	Certificate Number
	. And Carly
	Association of Food and Drug officials (AFDO) Training Location and Date
-	
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	In confunction with Association of Food and Drug Officials of the Southern States Common wealth of Virginia This is to certify that has successfully completed HACCP Training for Shellstock Shippers and Reshippers provided by
P 	in confinetify with Association of Food and Drug Officials of the Southern States

• VDH – DSS

- HACCP Shellstock Shippers and Reshippers
- 1-day class

Conduct a Hazard Analysis

Identify and List all potential food safety hazards associated with the product and process.



Fish and Fishery Products Hazards and Controls Guidanc

	Finished																
	Finished Product Food ¹					MARKET NAMES		(See Chapter 4 for	Note: You should i fish will be consur					fi N			
	Package Type					NAMES		(See Chapter 4 for guidance on controlling pathogens from the harvest area.	Note: You should identify pathogens from the harvest area as a potential species-related hazard if you know, or have reason to know, that the fish will be consumed without a process sufficient to kill bathogens or if you represent, label, or intend for the product to be so consumed.	P		MARKET NAMES		Note: You should identify pathogens from the harvest area as a potential species-related hazard if you know, or have reason to know, that the fish will be consumed without a process sufficient to kill pathogens or if you represent, label, or intend for the product to be so consumed. (See Chapter 4 for guidance on controlling pathogens from the harvest area.)			
	Type		PO			LATIN		olling pathoge	from the harve	POTENTIAL INVERTEBRATE SPECIES-RELATED HAZARDS		IMES		ntify pathogen d without a pr uidance on cor			
CHP 12	Pathogenic Bacteria Growth - Temperature Abuse		POTENTIAL PROCESS-RELATED HAZARDS			LATIN NAMES		ns from t	st area as o kill path	VVERTE				s from the ocess suff trolling p	POTEN		
CHP 13	C. botulinum Toxin		PROCES	TAB				he harves	a potenti logens or	BRATE	TABLE 3-3	LATIN NAMES		e harvest ficient to athogens	VTIAL V		
CHP 14	S. aureus Toxin - Drying		SS-RELAT	TABLE 3-4	CHP 4	Pathogens		st area.)	al species if you re	SPECIES	E 3-3	MES		area as a kill patho from the	ERTEBR		
CHP 15	S. aureus Toxin - Batter		TED HA		_				-related	RELA		P		potentia gens or harves	ATE SF	TABLE 3-2	
CHP 16	Pathogenic Bacteria Survival Through Cooking or Pasteurization		ZARDS		CHP 5	Parasites			hazard if y label, or ir	TED HAZ		Parasites ³		al species-ra if you repra t area.)	POTENTIAL VERTEBRATE SPECIES-RELATED HAZARDS	≣ 3-2	
CHP 17	Pathogenic Bacteria Survival Through Processes Designed to	Hazards			CHP 6	Natural Toxins	HAZARDS		ou know, intend for t	ARDS		Natural Toxins ¹³		elated haz esent, lab	LATED		
17	Retain Raw Product Characteristics	Š			0	Enviro	SOL		or have			Scomb (Hist		ard if yo	HAZAF		
CHP 18	Pathogenic Bacteria Contamination After Pasteurization and Specialized Cooking				CHP 9	Environmental Chemicals			reason to l duct to be			Scombrotoxin (Histamine)	HAZARDS	ou know, or tend for th	RDS		
CHP 19	Processes Allergens and Food Intolerance Substances ⁴				CHP 11	Aquaculture Drugs			thow, that the			Environmental Chemicals		e product to			
CHP 20	Metal Inclusion				F	41	Π		. 10	Γ	Q			to know, be so con			
CHP 21	Glass Inclusion										CHP 11	Aquaculture Drugs		that the isumed.			

Species Hazards

- Pathogens (harvest)
- 5. Parasites
- 6. Natural Toxins
- 7. Scombrotoxin
- 8. Other Decompositionrelated hazards
- **Environmental Chemicals**
- 0.Methylmercury
- Aquaculture Drugs

Process Hazards

- 2.Pathogen Growth & Survival
- 13.C. botulinum toxin
- 14.Pathogen Growth & toxin formation inadequate dying.
- 15.S. aureus toxin
- 16.Pathogen Growth & Survival cooking
- 7.Pathogen Survival process designed to retain raw
- 18.Intro. of pathogens after pasteurization and specialize cooking
- 19.Allergens
- 20.Additives
- 21.Metal or Glass inclusion

Process flow Diagram and Narrative

Receive Fresh Fillets Refrigerated Storage Trim Weigh/Pack/Label **Finished Product Storage**

Process Narrative

Receive Fresh Fish – Fresh wild-caught mahi-mahi fillets are received from several domestic suppliers. Delivery truck transit times range from 2-8 hours. Tubs or other containers of mahi-mahi fillets are received along with other fresh seafood products packed in ice and delivered by refrigerated truck. After receipt, products are re-iced if necessary and moved into refrigerated storage.

Refrigerated Storage – Individual mahi-mahi fillets are completely buried in ice and stored in a refrigerated cooler until needed.

Trim – Individual tubs or containers of mahi-mahi fillets are removed from the cooler as needed to pack customers orders. Fillets are trimmed by hand with knives if necessary to meet customer specifications. Trimming is completed in 30 minutes or less.

Weigh/Pack/Label – per customer order, mahi-mahi fillets are weighed, packed into containers and each container is labeled with a handwritten or printed label...

Finished Product Storage – Iced mahi-mahi containers in master cartons...

Product Description

Type of Seafood Product (Species Name)c	Where product is Purchased		product is		product is		product is Purchased		product is Purchased		product is Purchased		product is Purchased		product is Purchased		product is Purchased		product is		product is Purchased		product is Purchased		Produ eceive		and the second s	Produ Stored		The second se	is Pro hippe	A CONTRACTOR OF	pro	v is the oduct kaged	Inter	nded	Use	Inter Cons	and the second second
	From Fishermen	From Fish Farm	From Processor	Refrigerated	Iced	Frozen	Refrigerated	lced	Frozen	Refrigerated	Iced	Frozen	Air Packed	Reduced-Oxygen/ Vacuum-Packed	Raw to be cooked	Raw, RTE	Cooked, RTE	General Public	At-risk population																				

Hazard Analysis Worksheet

Hazard Analysis Worksheet											
Firm Name: X	Z Seafood			Product Description: Raw, wild-caught mahi-							
			r	nahi f	illets received from other	processors					
Firm Location: Anywhere USA Method of Storage & Distribution: Air											
(555) 555-5555			st	tored	and distributed on ice						
Anyone@XYZseaf	pod.com		Ļ								
					led Use & Consumer: To b						
			C	onsur	med by the general public						
(1)	(2)	(3)	(4)		(5)	(6)					
Processing	List all potential food	Is the potential food safety	Justify the decis	ion V	What control measure(s)	Is this step a					
Steps	safety	hazard significant (introduced,	that	c	an be applied to prevent	Critical Control					
	hazards that could be	enhanced or eliminated) <u>at this</u>	you made in		this significant hazard?	Point?					
	associated with this	<u>step?</u>	column 3			(Yes or No)					
	product and process.	(Yes or No)									

HACCP Plan

(1)	(2)	(3) Critical Limits for	(4) (7)	(5)	(6)	(8)	(9)	(10)			
Critical Control	Significant	each Preventative	())					Verification	Records			
Point (CCP)	Hazards	Measure		Monitor	Monitoring		Action(s) Verification					
			What	How	Frequency	Who						
RECEIVING	Histamine	Mahi-mahi fillets are completely surrounded with ice at receipt	Adequacy of ice surrounding Mahi-mahi fillets at delivery	Visual check of adequacy of ice in a representative number of containers in each delivery	Every delivery	Receiving Manager	IF the amount of ice is not adequate; THEN reject product and call supplier to let them know CL was not met and provide product delivery specifications, and discontinue use of the supplier until their transport procedures are corrected	Weekly review of Receiving Log, Corrective Actions and Verifications. Check internal temp. of fish at delivery for each new supplier and quarterly thereafter to ensure the ice maintains product temp. <u>Accuracy Check</u> thermometers before use <u>Annually</u> calibrate	of containers checked and number of containers in each shipment; and the results	tive (s) er is labeled: gate it ly label e rder is e oduct dify ocedures t	(9) Verification Weekly review of Packing Room Log, Corrective Actions and Verifications	(10) Records Packing Room Log with the number of containers checked, number of containers in the order, and the results from label checks.
REFRIGERATED STORAGE	Histamine	Mahi-mahi fillets are completely surrounded with ice throughout storage time	Adequacy of ice surrounding Mahi-mahi fillets	Visual check of adequacy of ice in a representative number of containers in cooler storage	At the beginning and end of each work day	Cooler Manager	IF the amount of ice is not adequate; THEN chill and hold the product until it can be evaluated based on total time and temperature exposure, including exposures during prior processing operations, and ice and make adjustments to the ice application process	thermometers Weekly review of Cooler Ice Log Corrective Actions and Verifications. Check internal temperature of fish quarterly to ensure ice maintains product temp. <u>Accuracy Check</u> thermometers before use <u>Annually</u> <u>calibrate</u> thermometers	Cooler Ice Log with number of containers checked, the approx. number of containers in storage, and the results of checks for adequacy of ice. Corrective Action and Verification Records	uated ital time ature icluding luring ssing and and fix lures	Weekly review of Cooler Ice Log, Corrective Actions and Verifications Check internal temperature of fish quarterly to ensure ice maintains product temp. <u>Accuracy Check</u> thermometers before use	Corrective Action and Verification Records Cooler Ice Log with number of containers checked, the approx. number of containers in storage, and the results of checks for adequacy of ice. Corrective Action and Verification
									problems		Annually calibrate thermometers	Records

Company Name

Fresh/ Refrigerated and Frozen; raw, to be cooked or prior to consumption by consumer

HA and HACCP

				Fl	ow Ch	art						
	(1)		(2)			(4)				(5)	(6)
	Processing Steps		food hazards be assoc this pro	potential safety that could iated with duct and cess.			Justify the decision that you made in column 3				at control measure(s can be applied to event this significant hazard?	Is this step Critical Con Point? (Yes or No
Receive an materials	d storage pacl	kaging	1	nental Hazards	No			easonably at this st				
		(Ch 9) Aquacult Hazards	ure Drug (Ch 11)	No			lot reasonably likely to ccur at this step					
		Pathogenic Bacteria Growth – Temperature				Not reasonably likely to occur at this step						
(1) Critical Control Point	(1) (2) (3) Critical Significant Critical I		imits for Monitoring					(8) Corrective Actio		(9) ns Verification		(10) Records
Receiving	Environmental	Reques		(4) What Presence of	(5) How Visual	(6) Frequ Each l		(7) Who Any	If the certificate or		Collect and analyze fish	Copy of the
Trout	Chemical Hazards and pesticides	quarter and sign supplies certifica from th that sho harvest waters contam env con and/or	ly written ned r's stec/letter e hatchery ows fish from not inated with itaminants pesticides	a certificate/I etter indicating harvesting from uncontami nated waters.		Visual Each Ic		person who has. an. understan ding of the nature of the controls. Receiving operator.	letter is not on fil then reject the lot hold the lot until certificate can be provided. And discontinue the u the supplier until evidence is obtai that the supplier comply with the certification cont	le, a use of ned will	tissue samples (quarterly) for those environmental chemical contaminants and pesticides that are reasonably likely to be present and review agricultural and industrial practices in the production area. Review monitoring, corrective action and verification records weekly	certificate or lette Receiving record showing lots received and the presence or a desence of a certificate/letter Monitoring logs Corrective action logs
Weight/ Pack/ Label	Undeclared allergens		ow trout" opear on	Labels of bags of product	Visual	Every	bag	Packaging operator	If the packaged products do not 1 the allergen nam then identify, segregate and re the improperly la packages. Determine the co for the problem a correct by removo and destroying th supply of incorre labels and review	e; label abeled ause and ring ne ct ving	Weekly review of label log records. Corrective action and monitoring logs.	Label check logs and corrective actions. Training records I packaging operat



HACCP Plan Form – Reshipper

Process Flow Chart

Oyster Shellstock



Firm Name:	

Product Type: Oyste

ype: Oysters, clams, mussels

Firm Address:

Process Method: Receiving and storing of whole and shucked shellfish

1)	(2)	(3)		Monitoring			(8)	<mark>(</mark> 9)	(10)
Critical Control Point (CCP)	Significant Hazards	Critical Limits for each Preventive Measure	(4) What	(5) How	(6) Frequency	(7) Who	Corrective action	Verification	Records
Receiving Shellfish	Shellfish may contain pathogens, marine biotoxins and toxic chemicals if received from growing waters closed to shellfish harvesting.	from a dealer who has identified the shellfish with a tag or label and transaction record.	Shellstock tag or label and transaction record. Presence of ice or Conveyance ambient air temperature or Shellfish temperature.	Visual check	Upon receipt of each shipment		 Reject any shellstock that are without an identifying tag or shucked shellfish without a label. Shellstock temperature is above 50°F internal temperature or conveyance temperature is above 45°F; place under 45°F immediately if the receiving date is the harvest date. If the receiving date is different than the harvest date reject shipment. Reject shucked shellfish and in-shell product not iced or in a conveyance above 45°F ambient air temp. Discontinue use of the supplier until evidence is obtained that shipping practices have changed. 	review of shellfish receiving records and corrective action records by a HACCP trained individual. Monthly calibration of thermometer against NIST certified thermometer or agitated ice slurry; or NIST certified thermometer with a valid certificate.	Record Corrective action record Thermometer calibration record

Signature of Company Official:

Date:

Page # 1

Summary

- Determine which regulatory agency will inspect you
- Start the application to get inspected
- Identify where you will sell your product
 - Requirements may vary based on this
- Time and temperatures are important when handling seafood
- Contact us for technical assistance



Thank you

Katheryn Parraga-Estrada kparraga@vt.edu

