

Cooler Process Study

Cooling requirements

- Clams and oysters not under VPCP
 - 50F within 10 hours of refrigeration (or prior to shipment if sooner than 10 hours)
- Oysters under VPCP
 - 5 hours from refrigeration to 50F
- ~~• On vessel Rapid Cooling~~

Cooler Process Study - Purpose

- The dealer can demonstrate the ability of the cooler to achieve 50F within required times using mechanical refrigeration
- Once completed, the dealer would no longer need to verify 50F for each day of harvest

Cooler study

- Study shall last 3 days
- Record the internal shellstock temperature prior to loading into the cooler
- Record the days maximum air and water temperatures in the vicinity of the harvest area
- Record the internal temperature of shellstock hourly for ten hours (or until 50F is reached for 2 consecutive hours)
- Dealer shall complete a cooler study 3 times throughout the summer
 - (1) a week prior to VPCP controls
 - (2) at the first 10 degree air or water increase
 - (3) At maximum load air and water temperatures

Cooler study duration

- The dealer shall continue normal 50F verification until study is complete
- Once completed submit to DoAG for approval
- Once approved
 - monitor only ambient cooler temperature
 - Repeat 3 day trials under the 3 conditions annually
- Cooler study will need to be repeated for any new coolers or major repairs to coolers

Cooler Study Log

HACCP Cooler Study Log

Company Name: _____ Year: _____

Address _____ CT # _____

Type of sample (Circle one): Pre-VPCP Air temp increase by 10F Maximum load

COOLER NAME:			DATE:		
PRODUCT:			HARVEST WATER TEMP:		
TIME	HOURS FROM REFRIGERATION	OUTSIDE AIR TEMP	Shellstock TEMP	COOLER TEMP	NOTES (INCLUDE STORAGE FORM)
	At harvest				
	Into refrigeration				
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				

Cooler study- additional consideration

- Dealer shall have and monitor a continuous recorder in the cooler
- Dealer shall still record Shellstock temperature at time of shipment as is required in Chapter IV
- Dealer shall redo cooler study after major cooler work
 - (ie. Replace a unit, major failure)
- DoAG will begin to debit firms for not recording 50F verification