Part I:

Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: CDC/ATSDR Information Collection Review Office, MS D-74; 1600 Clifton Road NE, Atlanta, Ga. 30333; ATTN: PRA (0920-0792)

#### **Manager Interview**

1.	Does this establishment cool heat-processed potentially hazardous foods?  O Yes O No (End evaluation) O Unsure O Refused
2.	Which one of the options below best describes the menu for this establishment?  American (non-ethnic) Chinese French Italian Japanese Mexican Thai Other (Please describe):
3.	Is this an independent establishment or a chain establishment?  O Independent O Chain O Unsure O Refused
4.	Approximately how many meals are served here daily? O Unsure O Refused
5.	Approximately how long have you been a kitchen manager here?O Unsure O Refused
6.	Including yourself, how many kitchen managers do you have? O Unsure O Refused
7.	How many managers speak the following languages as their primary language?  □ English □ Spanish □ Chinese □ Other (describe) ○ Unsure ○ Refused

8.	Have any kitchen managers received food safety training? This training can be a course or a class, or it can be training that occurs on the job.  O Yes O No $(Skip\ to\ \#\ 12)$ O Unsure $(Skip\ to\ \#\ 12)$ O Refused $(Skip\ to\ \#\ 12)$
9.	Did the food safety training include information on how to properly cool potentially hazardous foods?  O Yes O No O Unsure O Refused
10	<ul> <li>Does this establishment require kitchen manager food safety certification?</li> <li>Yes</li> <li>No</li> <li>Unsure</li> <li>Refused</li> </ul>
11	Are any kitchen managers food safety certified?  O Yes O No O Unsure O Refused
12	How many food workers do you have total? O Unsure O Refused
13	Do any food workers receive food safety training? This training can be a course or a class, or it can be training that occurs on the job.  O Yes O No (Skip to #16) O Unsure (Skip to #16) O Refused (Skip to #16)
14	How many food workers have had food safety training? O Unsure Refused
15	Did the food safety training include information on how to properly cool potentially hazardous foods?  O Yes O No O Unsure O Refused
16	How many food workers speak the following languages as their primary language?  English Spanish Chinese Other (describe) Unsure Refused

17.		age spoken most often in the kitchen?	
	O English		
	Spanish		
	O Chinese		
		ribe)	
	O Unsure		
	O Refused		
18.		shment use an instrument to check food temperatures?	
	O Yes	(Clin to # 22)	
	O Hagura	(Skip to # 23) (Skip to # 23) (Skip to # 23)	
	O Defused	(Skip to # 23)	
	O Reluseu	(Skip to # 23)	
19.		rument is used to check food temperatures? (Check all that apply	у)
		nocouple probe thermometer	
		probe thermometer	
	☐ Computerize		
	☐ Infrared/lase		
	O Unsure	ribe)	
	O Refused		
20.	Is anyone trained	to check the accuracy of these instruments?	
	O Yes	to oncor the accuracy of these menuments.	
	O No		
	O Unsure		
	O Refused		
21.	Who is trained to	check the accuracy of these instruments? (Check all that apply)	)
	Food worker	r	
	Manager		
	Other (desci	ribe)	
	O Unsure		
	O Refused		
22.		ese instruments checked for accuracy?	
	O Never	a a day.	
	O At least once	· ·	
	O At least once		
	<ul><li>At least once</li><li>Other (Please</li></ul>		
	O Unsure	se describe)	
	O Refused		
22		ounty, what is the required cooling time and temperature?	
۷٥.		135°F to 70° F in ≤ 2 hours; then 70°F to ≤41° F in 4 additional hours	or loce)
		140°F to 70° F in $\leq$ 2 hours; then 70°F to $\leq$ 41° F in 4 additional hours	
		$\approx (135^{\circ} \text{F to } 41^{\circ} \text{F in 4 hours or less})$	, OI 1622)
		e (140° F to 41° F in 4 hours or less)	
		e (140°F to 45° F in 4 hours or less)	
	O Other	2 (T40 1 10 40 1 III 4 IIOUI2 01 1022)	
	O Unsure	<del></del>	
	O Refused		

24.	What types of food are cooled?	(Check all that apply)
	■ Meat – large cuts	☐ Pasta or noodles
	■ Meat – pieces/grinds	☐ Casseroles (such as egg bakes or lasagna)
	□ Poultry – whole	Rice
	Poultry – pieces/grinds	☐ Cooked vegetables
	☐ Seafood	☐ Beans (whole)
	☐ Soups	☐ Beans (refried)
	☐ Stews	Other
	☐ Gravies	O Unsure
	☐ Sauces	O Refused
	Pudding or custard	
25.	Who is responsible for cooling f	oods? (Check all that apply)
	☐ Food worker	
	Manager	
	O Unsure	
	O Refused	
26.	Do you have formal procedures	or processes for cooling potentially hazardous foods?
	O Yes	p
	○ No (Skip to #30)	
	O Unsure (Skip to #30)	
	O Refused (Skip to #30)	
27	Are the procedures or processes	s written?
	O Yes	5 William.
	O No	
	O Unsure	
	O Refused	
20	Have ampleyees been trained or	a the precedures or precessed
<b>20.</b>	Have employees been trained or O Yes	Title procedures or processes?
	O No	
	O Unsure	
	O Refused	
29.		ed and verified? Testing and verification are the processes of measuring
	O Yes	oling cycle to ensure the cooling method works.
	O No	
	O Unsure	
	O Refused	
	J Moladoa	

<ul><li>30. What types of methods are used to cool foods? (Check all that apply)</li><li>□ (A) Shallow container in walk-in cooler (≤ 3" container and/or product depth)</li></ul>						
	☐ (B) Deep container in <i>walk-in cooler</i> (>3" container and/or product depth)					
	☐ (C) Shallow container in <i>reach-in cooler</i> (≤ 3" container and/or product depth)					
	$\Box$ (E) Ice bath	in cooler (>3" container and/or product depth)				
	(E) Ice ball					
	☐ (G) Blast chiller					
	☐ (H) Freezer					
	(I) Ice or frozen food added a					
	☐ (J) Water and/or ice used as					
	<ul><li>□ (K) Leaving food at room/am</li><li>□ (L) Other (describe)</li></ul>	blent temperature				
	☐ Combination method(s)	1: (e.g: K, E, A)				
	_ = ===================================	2:				
		3: 4:				
		4:				
	O Unsure					
	O Refused					
	Are times or temperatures monit peratures of the food or watch the O Yes O No (Skip to # 34) O Unsure (Skip to # 34) O Refused (Skip to # 34)	ored during cooling processes? In other words, do you take repeated e time during cooling?				
32.	How often are cooling processes	s monitored? (Read answers aloud)				
	O Always	O Rarely				
	O Often	O Unsure				
	O Sometimes	O Refused				
33.	How are cooling processes moni					
	☐ Probe thermometer	☐ Time only				
	<ul><li>Data logging thermometer</li><li>Sight only</li></ul>	☐ Other O Unsure				
	☐ Touch only	O Refused				
	•					
34.	Are cooling time and temperature	e measurements recorded?				
	O Yes O No					
	O Unsure					
	O Refused					
35.		n if improper cooling processes are identified?				
	☐ Food is reheated then cooled☐ Food is discarded	a again				
	☐ No action is taken					
	☐ Other (describe)					
	O Unsure	<del></del>				
	O Refused					
36	Are you familiar with HACCP?					
50.	O Yes					
	O No					
	O Unsure					
	<ul><li>Refused</li></ul>					

### Part II: Environmentalist section: Answered by data collector.

<ul><li>1. Establishment Type:</li><li>O Prep Serve</li><li>O Cook Serve</li><li>O Complex</li></ul>	
2. Is this establishment	
aa sit down establishment?	
OYes ONo OUnsure	
ba buffet establishment?	
OYes ONo OUnsure	
ca quick-service or fast-food establishment?	
OYes ONo OUnsure	
da caterer?	
OYes ONo OUnsure	
ea banquet hall?	
OYes ONo OUnsure	
fan institutional foodservice?	
OYes ONo OUnsure	
3. What is the requirement for cooling cooked poten	tially hazardous foods in this county?
O Two-stage (135°F to 70° F in ≤ 2 hours; then	
O Two-stage (140°F to 70° F in ≤ 2 hours; then	
O Single-stage (135° F to 41° F in 4 hours or les	
O Single-stage (140°F to 41°F in 4 hours or les	,
O Single-stage (140° F to 45° F in 4 hours or les	,
O Other	•

Part III: Observation	
Are foods being cooled during O Yes O No (End evaluation	O Unsure
It is possible that you will obserquestions 1-4 for each food iter	ve more than one food item being cooled in a restaurant. If so, you will complete n observed.
<ul> <li>1. What type of food is being</li> <li>Meat – large cuts</li> <li>Meat – pieces/grinds</li> <li>Poultry – whole</li> <li>Poultry – pieces/grinds</li> <li>Seafood</li> <li>Soups</li> <li>Stews</li> <li>Gravies</li> <li>Sauces</li> </ul>	<ul><li>Pasta or noodles</li><li>Casseroles (egg bakes, lasagna)</li><li>Rice</li></ul>
O°F	
O Unsure O Missing	

Complete questions 4a-c for each cooling step you observe. If you observed more than one food item being cooled, you will need to complete this grid for each food item being cooled.

	nis grid for each for serve this step?	4c.	Which metho	od was used in this	step? (Check
			that apply)		
$\circ$	Yes			Refrigeration	Answer
<b>O</b>	No		questions 5-1		
<b>O</b>	Missing			Ice bath	Answer
	-		questions 11	-13	
			•	Ice wand	Answer
			questions 14		
			9463110113 1	Blast chiller	Answer
		_	augation 10	Diasi crimer	Allowel
			question 18	La a la a la la anna all'a sat	<b>A</b>
				Ice as ingredient	Answer
			question 19		
				Room temperature	
				Other:	
				Missing	· · · · · · · · · · · · · · · · · · ·
O	Yes	1		Refrigeration	Answer
		_	augations F	_	Allowel
O	No		questions 5-1		
<b>O</b>	Missing			Ice bath	Answer
			questions 11	-13	
				Ice wand	Answer
			questions 14	-17	
			•	Blast chiller	Answer
			question 18	Didde drillion	,
			question 10	loo as ingradient	Anguar
		_		Ice as ingredient	Answer
			question 19	_	
				Room temperature	
				Other:	
				Missing	
O	Yes			Refrigeration	Answer
O	No		questions 5-1		
Ŏ	Missing		9465110115 0 2	Ice bath	Answer
	iviissiriy	_	augationa 11		Allowel
			questions 11		<b>A</b>
				Ice wand	Answer
		_	questions 14		
				Blast chiller	Answer
			question 18		
			•	Ice as ingredient	Answer
			question 19	J	
			-, a	Room temperature	
				Other:	
					<del></del>
	\/a			Missing	A
$\mathbf{O}$	Yes			Refrigeration	Answer
O	No		questions 5-1		
<b>O</b>	Missing			Ice bath	Answer
	-		questions 11	-13	
			•	Ice wand	Answer
			questions 14		- <del>-</del> -
			940340113 14	Blast chiller	Answer
		_	augeties 10	DIASE CHIIICI	MISWEI
			question 18		•
				Ice as ingredient	Answer
			question 19		
				Room temperature	
				Other:	
		ā		Missing	· · · · · · · · · · · · · · · · · · ·
O	Yes	<u> </u>		Refrigeration	Answer
	1 53	_		renigeration	VIIOMCI

O	No	questions 5-10
<b>O</b>	Missing	Ice bath Answer
	-	questions 11-13
		Ice wand Answer
		questions 14-17
		Blast chiller Answer
		question 18
		Ice as ingredient Answer
		question 19
		Room temperature Answer
		question 20-25
		Other:
		Missing
<b>O</b>	Yes	Refrigeration Answer
<b>O</b>	No	questions 5-10
<b>O</b>	Missing	Ice bath Answer
	-	questions 11-13
		Ice wand Answer
		questions 14-17
		Blast chiller Answer
		question 18
		Ice as ingredient Answer
		question 19
		Room temperature
		Other:
		Missing

Refrigeration
---------------

Answer questions 5-10 for each step in which refrigeration was a cooling method. If you observed more than one cooling step with refrigeration, you will need to answer these questions for each refrigeration cooling step.

5.	What type of coo		ed?	
	O Walk-in co			
	O Reach-in			
	O Walk-in fr			
	O Reach-in	treezer		
	O Unsure			
	O Missing			
6.	What was the an	nbient temperati	ure of the cooling	unit?
	O	_ °F		
	O Unsure			
	O Missing			
7.	What was the ob	served food de	oth while in coolir	ng?
	O ≤ 3 inches			
	O > 3 inches	6		
	O Unsure			
	O Missing			
Q	Was the product	ventilated (unc	overed or loosely	covered) during cooling?
0.	O Yes	O Unsure	overed or loosely	covered, during coomig.
	O No	O Missing		
	3 110	• Wildowing		
9.	•		tacked while in co	poling?
	O Yes	O Unsure		
	O No	O Missing		
10.	Was open air sp	ace provided ar	ound the top and	sides of the container(s) while in cooling?
				nd top the food container is ≥ 3".)
	O Yes	O Unsure		
	O No	O Missing		
Ice	e Bath			
		-13 for each ster	in which an ice ba	th was a cooling method. If you observed more than one
				ese questions for each ice bath step.
11	. Was ice presen	t in the ice bath	?	
	O Yes		O Unsure	
	O No (Skip to	o question 13)	O Missing	
12	. Were ice and w	ater filled to the	top level of the fo	ood?
	Q Yes	O Unsure	•	
	O No	O Missing		
13	. Was the food s	tirred at anv tim	e during the obse	rvation?
	O Yes	O Unsure		
	O No	O Missing		

**Ice Wand** 

		7 for each step in which an ice wand was a cooling method. If you observed more than one wand, you will need to answer these questions for each ice wand cooling step.
14.	Was the ice wand O Yes O No	inserted into the food?  O Unsure O Missing
15.	O Yes O No	ent inside the ice wand during the observation? liquid in the ice wand while in use.
16.	•	red at any time during the observation?  O Unsure O Missing
17.	Was the ice wand O Yes O No	replaced with a new ice wand at any time during the observation?  O Unsure  O Missing
An		each step in which a blast chiller was a cooling method. If you observed more than one st chiller, you will need to answer these questions for each blast chiller step.
18.	What was the am O °F O Unsure O Missing	bient temperature within the blast chiller at the beginning of the observation period?
An:		each step in which ice or frozen food as an ingredient was a cooling method. If you be cooling step with ice as an ingredient, you will need to answer this question for each ice
19.	Was ice or frozen O Yes O No	food added to the food during the observation?  O Unsure O Missing

# **Attachment 1- EHS-Net Cooling Practices Study: Observation**

	wer questions 20-25 for each food i	item observed.
20.	O. What was the internal temperature of the food at the end of the observation period?  O °F O Unsure O Missing	
21.	L. What time did the observation end?  O O Unsure O Missing	
22.	<ul> <li>2. During the observation, did the worker(s) monitor cooling time or temperature?</li> <li>Yes</li> <li>No (Skip to question 25)</li> <li>Unsure</li> <li>Missing</li> </ul>	
23.	How did the worker(s) monitor c  ☐ Touch only ☐ Probe thermometer ☐ Data logging thermometer ☐ Other ☐ Unsure	ooling time or temperature?  Approximated time w/o using a timer or clock Noted time on clock Used a timer / alarm  Refused
24.	Did the worker(s) document/reco	ord cooling times or temperatures?
25.	List any practices observed that	may have limited proper cooling not mentioned or described above.