UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE PLANT PROTECTION AND QUARANTINE

APPLICATION FOR USDA VESSEL APPROVAL

FOR USE IN CONDUCTING QUARANTINE COLD TREATMENTS UNDER USDA REGULATIONS

INSTRUCTIONS

a. Use one application for each vessel.

- b. Review the regulatory requirements in Chapters 3 and 6 of the USDA Treatment Manual. An electronic PDF document of the manual is available at the following website: https://www.aphis.usda.gov/import_export/plants/manuals/ports/downloads/treatment.pdf
- c. A list of approved and certified vessels can be found at: https://treatments.cphst.org/vessels/
- d. Each application must include technical documents that support the information supplied. Please attach the supporting documentation in the form of a PDF or Word file (the shipbuilder's book of technical specifications in one file). The page number requested for specific technical information should be the PDF or Word document page number. Any large blueprints for facilities or vessels can be attached as a separate file. These drawings need to be in a high resolution format so that details can be clearly seen.
- e. Fill in each field of the application completely. Review of the application will not begin until all information is received. If a field is not applicable, please put "N/A" in the space provided.
- f. All responses and supporting materials in this application must be written in English.
- g. After receiving all requested information and required documentation, application approval may take as long as 60 (sixty) days.
- h. Send or email the completed application and required additional information (manuals, technical sheets) to the following office:

USDA-APHIS-PPQ-S&T Treatment and Mitigation Technology (TMT) Unit 13601 Old Cutler Road, Bldg. 63 Miami, FL 33158, USA Phone: +1-305-278-4877 ppgtmt@usda.gov

1. CONTACT INFORMATION

This information will be used by USDA as the official contact information for this vessel.

NAME OF COMPANY	NAME AND TITLE OF REQUESTOR
ADDRESS OF REQUESTOR	TELEPHONE
	EMAIL

Agent Responsible for the Vessel (if different from Requestor)

NAME OF COMPANY	NAME OF AGENT	
ADDRESS OF AGENT	TELEPHONE	
	EMAIL	
Vessel Information		
SHIPYARD	VESSEL NAME	
IMO NUMBER	HULL NUMBER	

2. OPERATING PROCEDURE

This vessel must be equipped to carry out USDA cold treatments according to the operating procedures outlined in the USDA Treatment Manual. The compartments must be equipped to cool commodities to treatment temperatures, to circulate air throughout the commodity and to maintain temperatures between -3.0°C and 3.0°C. Hanging decks, hatch coamings within vessels, and double-stacking of pallets are not approved for in-transit cold treatment.

3. DESIGN / LAYOUT

General Design

TOTAL NUMBER OF COMPARTMENTS

(Required) Attach information on the volume of each compartment (e.g., 'Volume of cargo holds' page). Indicate the page number(s) where this item can be found in the attached technical documentation.

(Required) Attach entire ship's drawings that show dimensions, all holds/decks/compartments, fans, location of refrigeration units and recorders. (This can be a separate file. If so, please indicate file name)

Sensors				
Fill out the table below with information on each compartment.				
Compartment Name (e.g., 1A, 2B/C)	Cubic Capacity (cubic meters, m³)	Number of USDA Air Sensors	Number of USDA Pulp Sensors	
(Required) Attach a table indicating number of each type of temperat	total number of USDA temperature se ure sensor per hold/compartment and	nsors per compartment <i>(must include each sensor tag number</i>).	the PAGE NUMBERS	
(Required) Attach drawings indicati	ng sensor arrangement per compartme	ent per hold per deck.	PAGE NUMBERS	
Do the number of sensors per compa	rtment meet the cubic capacity require	ments listed in the USDA Treatment M	lanual? YES NO	

4. EQUIPMENT						
	Refrigeration Unit					
MANUFACTURER OF REFRIGERATION	JNIT		MODEL OF REFRIG	ERATION UNIT		
LOCATION OF REFRIGERATION UNIT		MODEL YEAR	MODEL YEAR			
AIRFLOW MAXIMUM RATE		AIRFLOW DIRECTIO	AIRFLOW DIRECTION			
(Required) Attach refrigeration spect technical documentation.	ifications. In	dicate the page numbe	er(s) where this item ca	an be found in the attached	PAGE NUMBERS	
		Tempera	ture Recorder (must be	approved by USDA)		
Is the recorder a USDA-approved mo	del?				YES NO	
MANUFACTURER	MODEL	MODEL YEAR		QUANTITY OF REC	ORDERS	
(Required) Attach recorder printouts along with sensor numbers. Print	displaying a outs must in	all sensors for all comp clude temperature unit	oartments. Compartme , time/date, vessel nar	nt numbers must be identified ne, and alarm set points.	PAGE NUMBERS	
Are recorders password protected and	d tamper-pro	of?			YES NO	
Personal Computer or Record	ler	Monitor		Printer		
SERIAL NUMBER 1		SERIAL NUMBER 1		SERIAL NUMBER 1		
SERIAL NUMBER 2		SERIAL NUMBER 2		SERIAL NUMBER 2		
SERIAL NUMBER 3		SERIAL NUMBER 3		SERIAL NUMBER 3		
Space for additional serial numbers (A	or each add	l litional serial number, i	ndicate if it is for a rec	order, computer, monitor or print	er.)	

Temperature Sensors (must be approved by USDA)			
Temperature sensors must be approved by USDA and be accurate to within \pm 0.15°C in the range from – 3.0°C to + 3.0°C.			
Are these USDA-approved temperature sensors?			YES NO
Description	Air Sensors	Pulp Sensors	
MANUFACTURER			
MODEL			
LENGTH OF SENSOR CABLE (m)			
Are the cable lengths of the air sensors able	e to reach from ceiling to floor (minimum of 3 m)?		YES NO
Are the cable lengths of the pulp sensors long enough to reach from the hold walls to 3 m beyond the center line (minimum of 12 m or 3 m beyond center line of compartment)?			YES NO
Do sensor tag numbers match the numbers on the recorder?			YES NO
(Required) Attach air sensor schematics.		PA	AGE NUMBERS
(<i>Required</i>) Attach pulp sensor schematics	S.	PA	AGE NUMBERS

5. ATTACHMENTS (supporting documentation)		
Are the following technical documents included in the submission attachments?		
Title page from shipbuilder's book of technical specifications	YES NO	
Entire ship's drawings	YES NO	
Volume of cargo holds (includes bale volume in m ³ of all individual compartments and total bale volume of vessel)	YES NO	
Refrigeration specifications	YES NO	
Ship's drawings showing sensor arrangement per compartment per deck	YES NO	
Recorder printouts (must include vessel name, date and time, each sensor for hold/compartment with unique ID, temperature unit, and alarms)	YES NO	
Table detailing the temperature sensors for USDA (must include the number of each type of temperature sensor per hold/compartment and sensor tag number)	YES NO	
Schematics for air and pulp sensors (drawings of the sensor itself)	YES NO	

6. ADDITIONAL INFORMATION

Information critical to cold treatments on this vessel not otherwise captured in this application form. Please describe below:

7. REQUESTOR SIGNATURE			
SIGNATURE	PRINT NAME	DATE (mm/dd/yyyy)	