



Fumigation Procedure Template

22 Jun 2023 / Scott Hendersmith / Seven Seas Shipping Corp.

Complete

Score	75%	Flagged items	6	Actions	2
Site conducted					Unanswered
Company					Seven Seas Shipping Corp.
Location					15° 19' 35.6592" N 76° 9' 26.01 72" W
Officer in Charge					Scott Hendersmith
Conducted on					22.06.2023 14:30 PST

Flagged items & Actions

6 flagged, 2 actions

Flagged items

6 flagged, 2 actions

Fumigation Procedure / Pre-fumigation Conference

Did you receive a copy of EPA-registered label for the fumigant to be used?

No

just received a copy

Fumigation Procedure / Pre-fumigation Conference

Did the certified fumigant applicator provide the officer in charge of the vessel instructions for aerating the holds or tanks upon arrival at the discharge port?

No

fumigator-in-charge now gave instructions

Fumigation Procedure / Pre-fumigation Conference

Did the certified fumigant applicator provide the officer in charge of the vessel instructions for the retrieval and disposal of residue retention device (bags, belts, ropes) at the discharge port?

No

fumigator-in-charge now gave instructions (again)

Fumigation Procedure / Fumigant Application

Did you verify that the 4 inch perforated/slotted tubing was placed on the bottom of the hold and attached to the 4 inch (minimum) solid tubing?

No

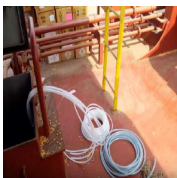


Photo 5

Fumigation Procedure / Fumigant Application

Did you verify that the certified fumigant applicator removed the containers from sealed cartons and contain the appropriate formulation?

No

removed from unsealed cartons

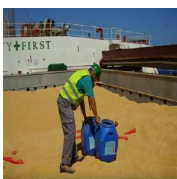


Photo 7

Culture Staff

Verify fumigant efficacy

Fumigation Procedure / Recordkeeping and Monitoring

Did the certified fumigant applicator provide a list of areas that are judged to be safe and those judged to be unsafe for crew members during the voyage and checklist of areas that must be monitored daily for phosphine leaks?

No

To Do | Assignee Juhlian Pimping | Priority High | Due 26.06.2023 10:00 PST | Created by SafetyCulture Staff

Install temperature and humidity sensors

Other actions

0 actions

Fumigation Procedure

6 flagged, 2 actions, 75%

Suitability Verification

100%

Did you obtain a written statement from the certified fumigant applicator that the vessel is suitable for fumigation?

Yes

Pre-fumigation Conference

3 flagged, 66.67%

Did you attend the pre-fumigation conference conducted by the certified fumigant applicator?

Yes



Photo 1

Did you receive a copy of EPA-registered label for the fumigant to be used?

No

just received a copy

Did the certified fumigant applicator identify holds or tanks to be fumigated?

Yes

hold 1 and hold 2



Photo 2



Photo 3

Did the certified fumigant applicator state the intended fumigant dosage to be applied?

Yes



Photo 4

Did the certified fumigant applicator describe the method of fumigant application?

Yes

Did officer in charge of the vessel state voyage length?

Yes

Did the certified fumigant applicator discuss safety precautions including symptoms of fumigant exposure, first aid procedures, instruct two crew members in the use of

Yes

respiratory protection equipment and phosphine detection equipment, and holds or tanks under fumigation must be closed for the entire voyage length?

Did the certified fumigant applicator provide the officer in charge of the vessel instructions for aerating the holds or tanks upon arrival at the discharge port?

No

fumigator-in-charge now gave instructions

Did the certified fumigant applicator provide the officer in charge of the vessel instructions for the retrieval and disposal of residue retention device (bags, belts, ropes) at the discharge port?

No

fumigator-in-charge now gave instructions (again)

Fumigant Application

2 flagged, 1 action, 77.78%

Is the recirculation method used?

Yes

Did you verify that the blower motor has the capability to move the fumigant at a minimum rate of 300 cubic feet per minute?

Yes

Did you have the certified applicator demonstrate the fan/blower is moving air in the proper direction?

Yes

Did you verify that the 4 inch (minimum) solid tubing is securely attached to the output side of the blower motor housing with a semi-permanent method such as a bolt, screw, clamp, etc.?

Yes

Did you verify that the 4 inch perforated/slotted tubing was placed on the bottom of the hold and attached to the 4 inch (minimum) solid tubing?

No

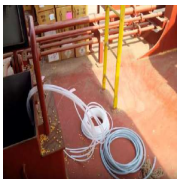


Photo 5

Did you verify that the 6 inch perforated/slotted tubing is securely attached to the input side of the blower motor housing with a semi-permanent method such as a bolt, screw, clamp, etc.?

Yes

Did you observe the application of the fumigant?

Yes



Photo 6

Did you verify accurate fumigant dosage was applied?

Yes

Did you verify that certified fumigant applicator removed fumigant from factory sealed containers?

N/A

Did you verify that the certified fumigant applicator removed the containers from sealed cartons and contain the appropriate formulation?

No

removed from unsealed cartons



Photo 7

To Do | Assignee Howie Mann | Priority High | Due 26.06.2023 09:30 PST | Created by Safety Culture Staff

Verify fumigant efficacy

Did the certified fumigant applicator apply the fumigant by the method stated in the pre-fumigation conference?

Yes

Post-fumigation Safety

100%

Were all openings to holds or tanks closed and sealed after application of the fumigant including main hatch or tank openings, manways, wing tank openings, butterworth plates, weep bales, and vent openings?

Yes



Photo 8

Did the certified fumigant applicator install or have warning placards installed on all entrances to the fumigated holds or tanks?

Yes

Did each warning placard contain the date of fumigant application, fumigant formulation used, the minimum fumigant retention period as indicated in attachment 4, and the holds or tanks must be kept closed for the entire length of

Yes

the voyage?

Recordkeeping and Monitoring

1 flagged, 1 action, 50%

Did the certified fumigant applicator provide a list of areas that are judged to be safe and those judged to be unsafe for crew members during the voyage and checklist of areas that must be monitored daily for phosphine leaks?

No

To Do | Assignee Juhlian Pimping | Priority High | Due 26.06.2023 10:00 PST | Created by SafetyCulture Staff

Install temperature and humidity sensors

Did you receive a written statement of fumigant application compliance from the certified applicator?

Yes

Sign Off

Additional Recommendations

Validate fumigant source, formulation, and efficacy (especially after we just received the EPA label copy and the containers were removed from unsealed cartons).

Officer in Charge Name & Signature



Scott Hendersmith
22.06.2023 16:47 PST

Certified Fumigant Applicator Name & Signature



Lester Mavelson
22.06.2023 16:49 PST

Media summary



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8