

Vector Control

Vector control

- The control of disease vectors such as insects and rodents is necessary for the maintenance of health and healthful conditions aboard ships.
- Rats, mosquitoes, flies and cockroaches are all capable of transmitting disease.
- Ships can spread disease to ports via infected vectors.

Potential Vectors

Rats

- Typhus
- Trichinosis
- Leptospirosis
- Salmonellosis



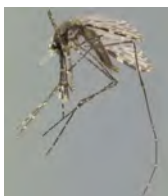
Rats

- Rat guards should be attached to mooring rope to prevent rats from boarding
- Checks made during sanitation inspection



Potential Vectors

Mosquito's



- Malaria
- Yellow fever
- Dengue fever
- Zika fever

Mosquito's

- PHE runs a network of mosquito traps, with surveillance at Tees Port across 5 locations.
- Only one mosquito found since 2016 although this was a non-invasion species.

Potential Vectors

Cockroaches



- Salmonellosis
- Typhoid Fever
- Cholera
- Dysentery
- Campylobacteriosis
- Listeriosis
- E. coli

DS Wisconsin - Middlesbrough



Antarctica mission for Teesside logistics firm

A TEESIDE firm has been selected to provide 'bio-secure' logistics for shipments to a research base in Antarctica.

Logistics giant AV Dawson has been selected by Trans Global Projects (TGP), an international project logistics management company, to be the 'bio-secure' base of operations for a shipment to the British Antarctic Survey's (BAS) Rothera Research Station at Rothera Point.



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- Routine inspection found cockroaches in the galley

DS Wisconsin - Middlesbrough



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- Contact made to agent and AV Dawson to put pest control in place
- External cleaning company and pest controller employed by vessel
- Evidence report form attached to Sanitation Certificate

Endless Horizon – Teesport



- Routine inspection of grain vessel.
- Major infestation in galley and provision area.
- Crew aware of infestation for at least 4 months
- No action had been taken.

Endless Horizon – Teesport

- Evidence report form attached to current Sanitation Exemption Certificate (issued Turkey 3 months previous)
- Advised captain and agent to contact pest control
- Informed consignee
- Revisited vessel 4 days later and control action had been taken – Over 500 cockroaches on traps in 8 hour period!

Black widow spider



- Found alive at Teesport in a container.
- Spider frozen and placed in 90% alcohol to kill and preserve it.
- Sent to Edge Hill University and positively identified.

Summary

- Routine inspections useful in identifying potential vectors.
- Issuing control certificate or evidence report forms effective intervention.

Questions