



# **M · E · M · O**

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**To:** TANK MANUFACTURERS  
LIQUIP DISTRIBUTORS  
SALES/WORKSHOP

**From:** DAVID GREGORY  
ENGINEERING MANAGER

**Subject:** TECH TALK NO. 42

## **SITING OF VAPOUR OUTLETS ON TANKER WALKWAYS**

We recently had a case of a sick tanker. Every few weeks a vapour recovery vent actuator would fail, randomly among the seven on the tanker.

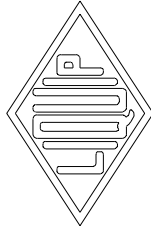
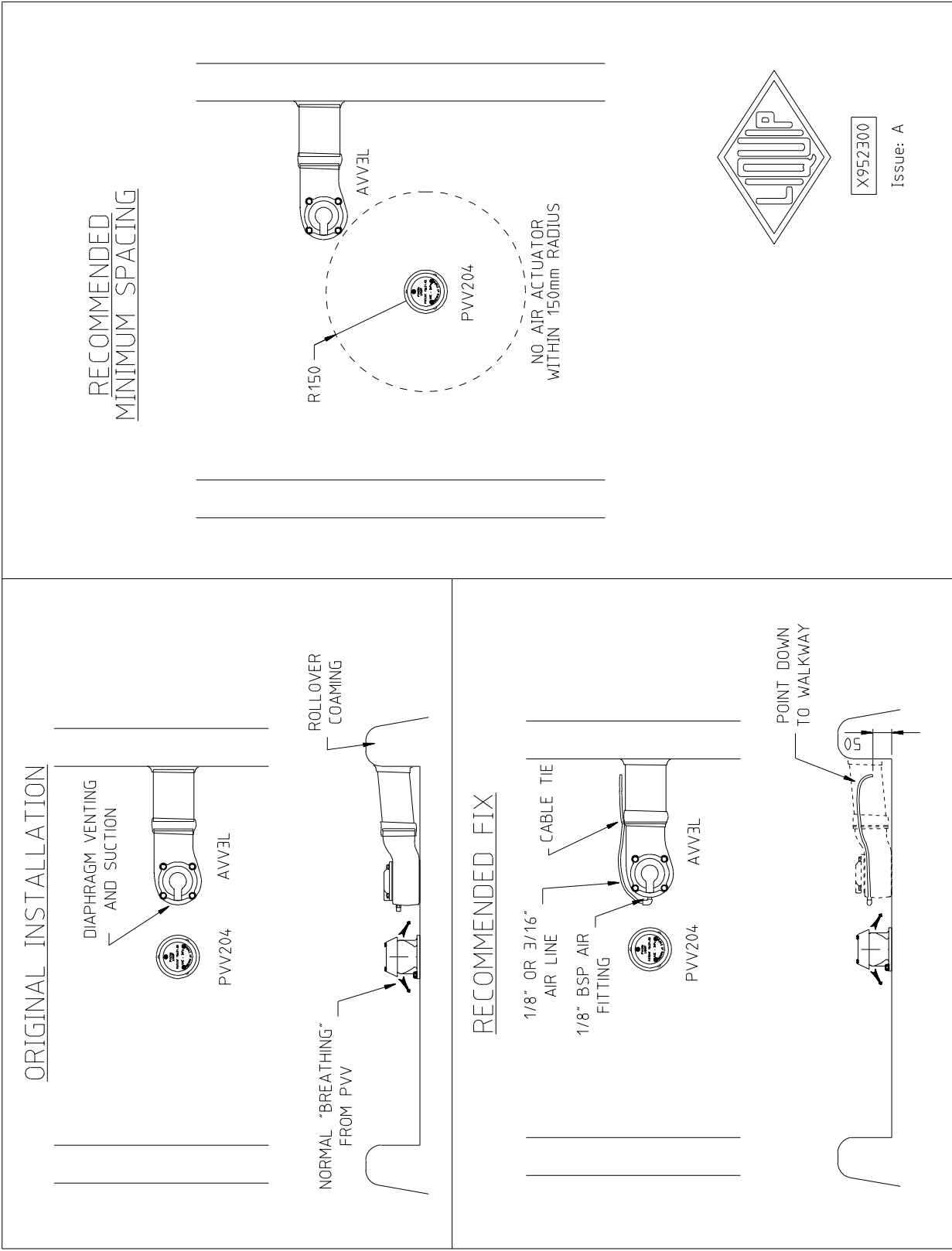
It was unusual for vapour vents to have such a problem, even though the tanker was carrying solvents and other chemicals. This latter was ruled out as the cause as other tanks were working the same route, carrying the same products, without any problems.

A site visit revealed the culprit. The pressure-vacuum vent, PVV204, was situated directly behind the vapour vent AVV3L in such a way that the exhaust port of the AVV3L was ingesting vapour directly out of the PVV204. There was also evidence from the Operators that the vapour return system at the loading site was causing excessive pressure, opening the pressure poppet and so exaggerating the problem. (The other tankers, which operated without problems, have a different equipment layout).

In order to play safe, it is recommended any vapour outlet, be it a pressure-vacuum vent or a non-ducted vapour vent outlet, be sited at least 150mm away from actuators or other equipment which can breathe in harmful quantities of vapour.

**DAVID GREGORY**  
**ENGINEERING MANAGER**

# LOCATION OF PRESSURE/VACUUM VENT BY AIR ACTUATORS



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