



Tank Storage Association
www.tankstorage.org.uk

Annual Review 2016



Providing advocacy
and support to the bulk
liquid storage industry
since 1978.



INTRODUCTION FROM THE CHAIRMAN



I am delighted to write the introduction to this first edition of the TSA annual review, and I hope that you find it a valuable source of information.

The annual review would not be possible without the hard work of the TSA Safety, Health and Environmental Committee and

secretariat, who I know spend many hours collecting collating and presenting data on many aspects of our sector performance. This analysis is imperative to our work so that we can have a clear vision of our priorities, and where necessary set our future work programs.

Our review includes the safety statistics for 2015. This information is an important part of maintaining our commitment to process safety and that of the principles of process safety leadership which were born out of the Buncefield explosion and fires in 2005. December of

last year marked ten years since the incident, and we have achieved a great deal in that time in understanding our risks, implementing improvement programs and perhaps most importantly fundamentally changing how we work with our regulator.

TSA is at the heart of many initiatives, including being a leading member of the CoMAH Strategic Forum. It is through our involvement with these groups that we are able to champion the needs and address the concerns of our members.

April 2016 brought a major change for the TSA with Dr Hugh Bray our Executive Director leaving after 17 years of service. I have been involved with the TSA for much of that time and have witnessed the transformation of the Association into one that is dynamic and well respected.

I would personally like to thank Hugh on behalf of all of our members for the exceptional work that he has done, and wish him a very happy retirement.

Peter Davidson, formerly the Director of Safety, Commercial and Projects at UK Petroleum Industry

Association, has now taken up the role of Executive Director and we look forward to working together to ensure that the Association continues to grow and becomes even more successful.

Finally, I would like to thank all those within the secretariat and member companies for their continuing support and involvement in the many different committees and forums that are essential to making the TSA a success.

Martyn Lyons
June 2016

ABOUT US



Professional Third Party Bulk Liquid Storage in the UK

Liquid bulk storage is essential to the UK economy, providing an essential interface between sea, road, rail and pipelines.

The products that our members store typically include petroleum products and chemicals as well as potable liquids, edible oils and fats.

They provide additional services such as heating, blending and transformation of these products so that the diverse requirements of our customers can be met safely and cost effectively.

At TSA we aim to champion the needs of our members in safety, health, environmental and technical matters. We also work closely with the UK Government to ensure that our members needs and concerns are recognised with regard to new and emerging legislation which may have an impact.

We currently work on behalf of 19 member companies who provide over 8 million cubic metres of storage capacity. We are also members of the Federation of

European Tank Storage Associations (FETSA). Headquartered in Brussels, FETSA has responsibility for monitoring European issues which have an impact on the bulk liquid storage industry.



Our members provide
more than 8 million cubic metres of storage.



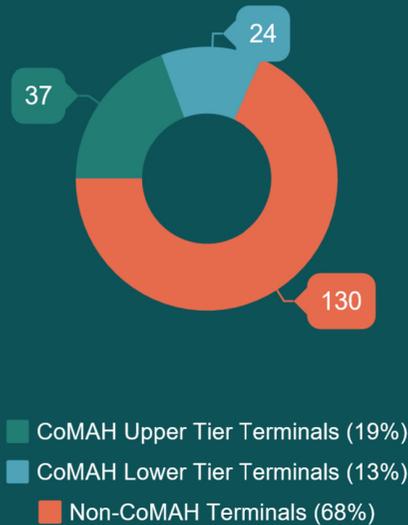


Our members store
and distribute
more than just
petroleum products;
molasses, fats & oils,
ethanol, glycerine
and many more.

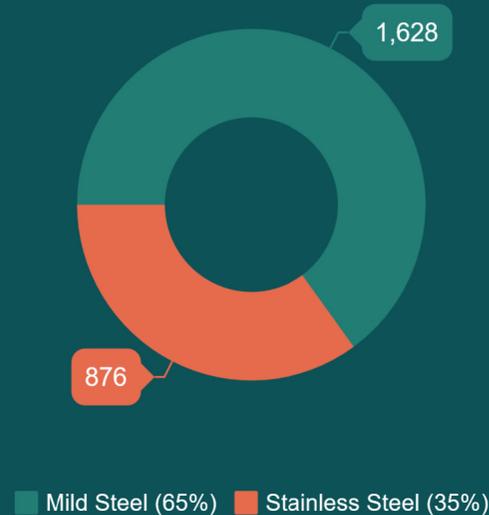
STATISTICS



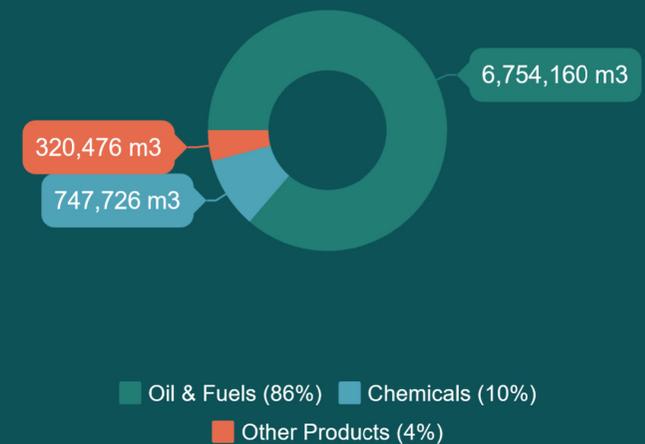
Number of UK Terminals



Number of Tanks



Bulk Liquid Storage Capacity

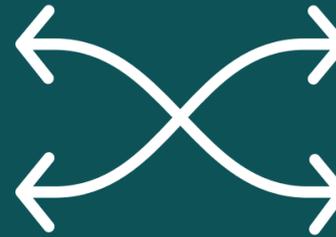


Our members provide the import, storage, export and loading to road and rail tankers to ensure that the demands for industry, agriculture, transport and other fuels in the UK is met.



Our members safely manage over 1,000,000
product movements every year.

STATISTICS



3,695
seagoing
vessel
movements



1,009,860
truck
movements



2,374
railcar
movements



8,721,018 m³
(est)
pipeline
throughput



1,345
inland barge
movements



Safety is our
priority.

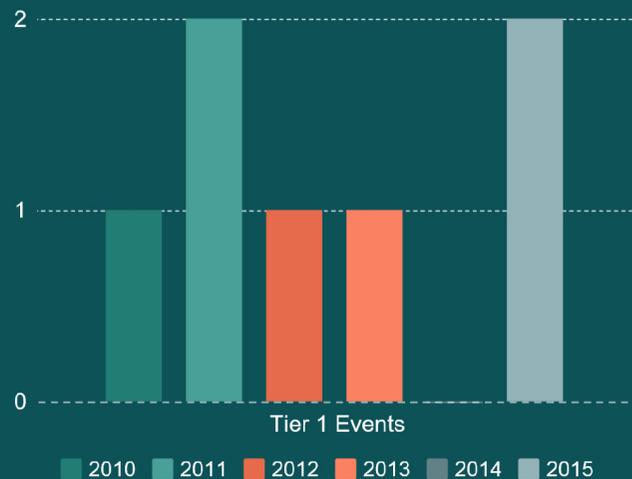
We work with our
members to continually
seek opportunities to
improve performance.

PROCESS SAFETY PERFORMANCE



API Standard 754 is used to collect process safety data from our members. We use this data to analyse the performance of our sector and to influence improvements where necessary.

Tier 1 Events



Tier 1 Event Rate (per million hours worked)



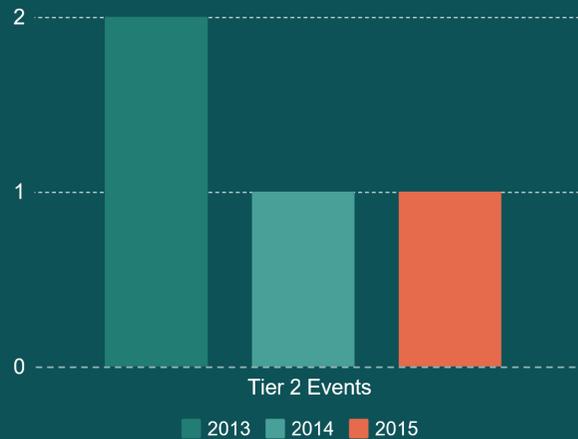
Tier 1 events are significant losses of containment (relative to the hazard of the product stored). The number of Tier 1 events experienced by our members are very small, and overall the rate at which these events occur continues a downward trend since recording began.

PROCESS SAFETY PERFORMANCE



Smaller losses of containment can tell us much more about where we may need to target improvements or investigate further.

Tier 2 Events



Tier 2 Event Rate (per million hours worked)



Tier 2 events are smaller losses of containment (relative to the hazard of the product stored). As with Tier 1 events, the number of Tier 2 events experienced by our members are very small, and the rate at which these events occur continues a downward trend since recording began.

PROCESS SAFETY PERFORMANCE



At the TSA we have agreed a series of leading indicators that help us understand the things that could potentially cause a loss of containment in the future.

Tier 3 Leading Indicators



The Tier 3 (leading indicators) can tell us where further work or study is required before a loss of containment actually occurs. This may mean commissioning new guidance or improving competency within the workforce.

TSA works with the UK regulator, other trade associations, technical institutes and sector skills bodies to develop these initiatives as necessary.

Our people are our most
important asset.



OCCUPATIONAL HEALTH & SAFETY

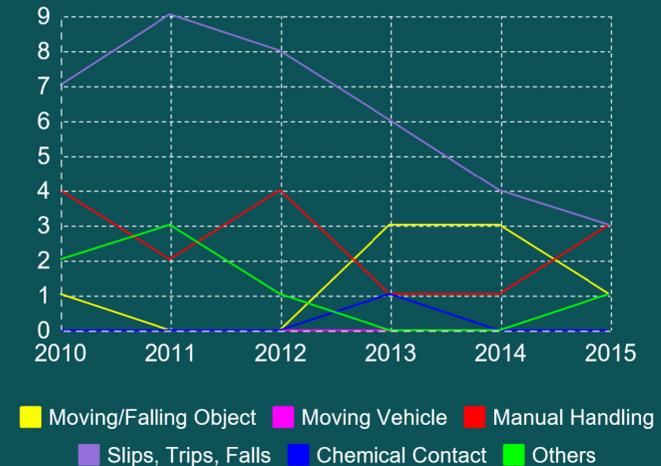


Our members inform the UK regulator in respect of Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR) data. As the TSA, we collate this information for the sector.

RIDDOR LTI Rate (per 100,000 hours worked)



TSA Annual LTA Cause Analysis

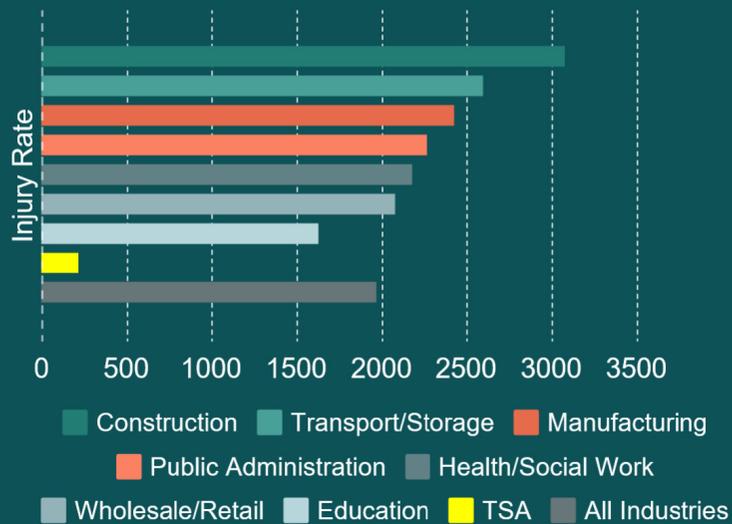


Lost Time Injuries (LTI) are those where an employee or contractor has been away from work due to a work place injury for more than seven days. This is normalised per 100,000 hours worked to give an LTI Rate. Prior to 2012, LTI's were based on an employee or contractor being away from work for more than three days.

OCCUPATIONAL HEALTH & SAFETY



Three-year average (2012 to 2015)
non-fatal injury rate by UK industry
sector per 100,000 workers



The Tank Storage sector continued to maintain very high standards of occupational safety during 2015. It remains one of the safest industries in the UK with proportionally fewer injuries occurring than almost all other sectors.

Source: HSE RIDDOR Statistics

www.hse.gov.uk/statistics/industry/index.htm

We believe in working with our members to improve performance and ensure that our sector has a bright and confident future.



JOIN US



Our Influence

By joining the TSA you will be part of a long established and successful Association. You will have access to informed and experienced committees both within the TSA and externally.

As a TSA member you will benefit from sharing knowledge and resources from others within your sector. You will have access to a range of resources and will be kept up to date with developments across relevant topics. You will be able to influence the development of technical guidance and competency schemes, and have the opportunity to review and comment on these before they are published.

As a full member of the TSA you will have the opportunity to sit on our governing council and ensure that our policy and direction meets the needs of the sector as a whole.

We play a leading role in many industry, regulatory and government forums, and we work to ensure that our members' interests are at the top of the agenda.

These include:

- CoMAH Strategic Forum
- Department of Energy and Climate Change Downstream Oil Industries Forum, Resilience and Horizon Scanning Working Groups

- Chemical and Downstream Oil Industries Forum
- Refinery and Terminal Operators Forum
- Process Safety Forum
- Sector Skills Council Down-stream Advisory Forum

Want to know more?

Contact us at:

info@tankstorage.org.uk

JOIN US



Suppliers

We also offer suppliers the opportunity to advertise services on the TSA website and gain exposure to tank storage operators.

We are continually reviewing and developing our offer to suppliers. Please check our website for forthcoming announcements:

www.tankstorage.org.uk

Want to know more?

Contact us at:

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