



NOTES FROM THE SECRETARIAT

Welcome to the latest edition of *AbtoNews*. I hope that you are continuing to enjoy the read.

ABTO continues to represent the industry in many forums and although we do not have consultative status at International Maritime Organization (IMO) our co-operation with ICHCA International allows us access to the meetings. So, February saw ABTO represented at the sub -Committee for Pollution Prevention and Response (PPR) which was formally known as Bulk Liquids and Gases (BLG).

Why would that be of interest to ABTO? Ordinarily it would not but on this occasion, there was an item of interest on the agenda which is likely to become an issue for ships visiting terminals in the future.

On 1 January 2020 the shipping industry is going to experience the greatest change to the way it operates imposed on it by legislation that it has ever had. When MARPOL Annex VI requires ships to operate using fuel with a maximum sulfur content of 0.5% m/m. One of the concerns is that there may be a lack of compliant fuel in certain locations. More concerning from a terminals perspective is if a vessel is found to be carrying non-compliant fuel and port state control officers (PSCO) arrest the vessel and force it to not only source new compliant fuel but also de-bunker the non-compliant fuel. What would you do if the PSCO refused to allow the vessel to move from your jetty until it had complied? De-bunkering is not an activity that ships are designed to do. The vessel could be stuck for several days unable to move.

Bulk Terminals 2019 will take place this year in Amsterdam on Tuesday 8 October to Wednesday 9 October 2019. The post conference survey conducted after Bulk Terminals 2018 in Hamburg yielded many suggestions but the overwhelming majority suggested Amsterdam. The call for papers has gone out so if you feel that you have an interesting case study, or know someone who does, please let Simon Gutteridge know at events@bulkterminals.org



NEWS IN BRIEF

FIRST COAL HANDLED KRIEVU ISLAND

The first coal cargoes have been loaded on to ships at the new SIA Strek and SIA Riga terminals. The first ship, a coal carrier called *Trina Oldendorff*, berthed at the SIA Strek terminal on 18 February. It loaded 69,300t of coal before heading for the Port of Amsterdam. Meanwhile, SIA Riga Coal Terminal accepted its first ship, bulk carrier RB Mya, on 26 February. It loaded 77,000t of coal in the Port of Riga and departed for Porto Torres in Sardinia. Both terminals are located on Krievu Island, which has been developed to free the centre of Riga from coal cargo and to transfer the handling of coal to the new terminals, which are equipped with modern technologies.

In 2012, the Freeport of Riga Authority launched the Development of Infrastructure on Krievu Island for the Transfer of Port Activities from the City Centre project. It is the largest investment project in the history of the Port of Riga and nears completion.

In the coming weeks, all coal cargoes will leave the centre of the city and move to Krievu Island to be handled in a more environmentally friendly way. New handling processes and a wind fence of more than 2km will protect the environment from coal dust.

PORT OF HAY POINT STARTS DREDGING WORKS

Essential maintenance dredging has started at the Port of Hay Point. The works will be undertaken by specialist vessel *TSHD Brisbane*, on behalf of North Queensland Bulk Ports Corporation (NQBP) and the port's terminal operators.



NQBP Chief Executive Officer Nicolas Fertin said the Port of Hay Point primarily exports metallurgical coal, a key resource in steel-making.

"With three priority ports in the Great Barrier Reef World Heritage Area, respect for the environment is critical to everything we do," Fertin said.

"A range of environmental controls have been put in place to minimise potential impacts on the marine environment."

Fertin said the public could keep up-to-date on the project via a real-time water quality dashboard available on our website.

"Throughout the maintenance dredging works, there will be real-time, publicly available monitoring of water quality to detect any potential impacts and allow an immediate response to any unpredicted changes to water quality."

Fertin said the maintenance dredging involves relocating sediment – natural material made up of sands, silt and clay - that has travelled along the coast and accumulated in shipping navigational areas.

The sediment will be relocated in the sea, 6km away from shipping operations. Relocated material will not be placed on any coral reefs.

Maintenance dredging ensures vessels can safely and reliably access ports and marinas, reducing the risk of accidents or grounding impacts. It differs from capital dredging, which involves excavating previously undisturbed seabed to expand or create new shipping channels, berths or swing basins.

Maritime Safety Queensland has issued a Notice to Mariners with advice about restricted access zones to ensure safety during the operations.

The dredging project is expected to take about 40 days.

NEWS IN BRIEF

IPSWICH RECEIVES SALTY SHIPMENT

The Port of Ipswich has handled a large shipment of 5000t of imported road salt, to be used by Suffolk Highways to help make local roads safer.

By transporting this road salt as far as possible by sea, ABP has helped minimise the impact on the local road network and has ensured that Suffolk is prepared for any further cold weather conditions.

Mark Stevens, Suffolk Highways' Assistant Director, said: "Despite the weather gradually getting warmer, it is important to be prepared for every eventuality. This salt delivery has topped up our stock so that we can both effectively treat the roads as and when required, and continue to complement each other's winter maintenance service. Our salt barns remain well-stocked for any sudden deterioration in conditions."

Paul Ager, ABP Divisional Port Manager – East Anglia, said: "We were delighted to work closely with Suffolk Highways and Suffolk County Council to ensure that we have sufficient product to ensure the ongoing safety of roads in our county, whatever the weather."

BRUKS SIWERTELL NEW WEB PORTAL

Bruks Siwertell's has launched its new joint website showcasing the fusion of two strong brands and the group's wide variety of bulk handling and wood processing solutions.

The new website includes all product areas of both Bruks and Siwertell products, allowing visitors to see clearly what type of solutions it offers and how its machines and installations work.

Visitors can also sign up at <https://bruks-siwertell.com/> for the Bruks Siwertell monthly newsletter.

NEWS IN BRIEF

NEW OPS DIRECTOR AT TRPA

Gaétan Boivin, President and Chief Executive Officer of the Trois-Rivières Port Authority (TRPA), has announced the appointment of Sylvain Gendron as Operations Director.

A graduate in naval architecture from the Institut Maritime du Québec and in the process of obtaining a certificate in project management from Université Laval, Gendron has thirty years of experience in the marine and transportation industries. He has held various positions with BC Ferries, Davie Canada Inc, Transports Desgagnés, Groupe Océan, Bombardier Aerospace and Transport Canada. He has extensive experience in shipbuilding and the inspection and regulation of maritime activities.

In addition to being responsible for all activities related to port and marine logistics, Gendron's skills and abilities represent an added value for the TRPA's On course for 2030 plan.

"We are very pleased to welcome Sylvain to the team. His expertise is a valuable asset for the Port, which intends to continue its expansion and optimise its port activities," declared Boivin.

SHOREHAM CERTIFIED ECO-PORT

Shoreham Port has been re-certified as an EcoPort, six years after its initial Port Environmental Review System (PERS) certification was awarded in 2013. Shoreham Port is one of only two PERS accredited ports in the UK, and one of twelve UK ports who hold EcoPort status.

RIO TINTO APPROVES \$463M RBM DEVELOPMENT

Rio Tinto has approved the next stage in the development of Richards Bay Minerals (RBM) in South Africa through the construction of the Zulti South project. The \$463 million (Rio Tinto share \$343 million) investment will sustain RBM's current capacity and extend mine life.

RBM currently operates four mines in the Zulti North lease area, a mineral separation plant and smelting facility. The Zulti North orebody grade is declining, hence the Zulti South mine is required to maintain the output of high-margin zircon and rutile.

The Zulti South mine (Phase 1) will underpin RBM's supply of zircon and ilmenite over the life of mine. Construction is scheduled to start in mid-2019, subject to the granting of all necessary permits, with first commercial production expected in late 2021. The investment will be fully self-funded from RBM's cash flows, with no additional debt or recourse to Rio Tinto. The project is expected to deliver an internal rate of return of 24% (Rio Tinto share).

Rio Tinto chief executive J S Jacques said: "Rio Tinto has a long history in South Africa, and today's investment underscores our commitment for the coming decades and beyond. Zulti South is one of the best undeveloped minerals sand deposits in the industry, and will significantly extend RBM's position as a world-class, first-quartile asset. The long-term fundamentals of the market remain strong, and production from Zulti South will commence in time to fill a widening supply gap, ensuring RBM's position as a leader in the sector, and delivering strong returns to our shareholders."

Meanwhile, Rio Tinto Group executive Joanne Farrell has decided to retire after nearly 32 years with Rio Tinto and will leave the company at the end of September 2019.

Joanne joined Rio Tinto in 1987 and has worked in a variety of roles across human resources, health, safety, communities and environment, before joining the Rio Tinto Executive Committee as Group executive, Health, Safety & Environment and Managing Director, Australia in July 2016.

NEWS IN BRIEF

JENKINS INVESTS IN LIVERPOOL STORAGE

Jenkins, a national logistics provider specialising in paper, pulp and other forest products, is to invest in a £17m new custom-built warehouse at the Port of Liverpool. Jenkins, which has been a tenant at the Port of Liverpool for 10 years, has reached an agreement on managed services at Liverpool and London Medway, with the aim of increasing traffic significantly at both ports.

The commitment secures over 500,000sq ft of warehouse space, 300,000sq ft of which is new investment in a bespoke state-of-the-art paper and pulp facility at the Port of Liverpool. The facility will provide a major increase in capacity at Liverpool allowing Jenkins to increase its throughput. Construction on the warehouse is due to begin 2019 and be completed in 2020.

Operating from eight locations in the UK and Ireland, Jenkins provides stevedoring and specialised materials handling, dedicated quayside warehousing, and a range of other warehouse and transport services. The company is owner-managed and has been operating for 35 years.

Paul O'Hare, Managing Director of Jenkins, said: "We're really excited about this major new development in Liverpool that will significantly increase our footprint in the UK and allow us to expand the range of services we can offer our customers in the North West."

Mark Whitworth, CEO of Peel Ports said: "We're seeing increased demand for imports of paper and pulp products, especially in the South East, where our new managed service with Jenkins will provide the capacity for market growth that our customers are looking for."

ADANI MARKS 200MT CARGO HANDLING MILESTONE

Adani has become India's first port operator to record 200 million tonnes of cargo movements, marking a milestone for the company as one of Adani Ports and Special Economic Zone's (APSEZ) top five fastest growing players in the bulk ports sector. Adani Ports started operating in 2001.

Karan Adani, Chief Executive Officer, APSEZ, said: "Our projections were to reach this milestone by 2020 but we have achieved it ahead of schedule courtesy of tech-driven operational efficiency and enhanced asset utilisation. Robust capacity additions at our leading ports, such as Dhamra and Mundra, as well as new facilities have played a critical role in this journey."

The journey started with Mundra Port. Non-major ports were developed at Hazira, Dhamra, Dahej and Kattupalli. Terminals were also developed within the country's major ports at Ennore, Kandla, Goa and Vizag between 2005 to 2018. Mundra Port remains the jewel in APSEZ's crown.

A key factor in Adani's milestone is its proximity to rail and road connectivity to the north-western hinterland. State-of-the-art modern port infrastructure and equipment has resulted in near-zero waiting time for ships, while competitive rates have contributed to the organisation's growth.

"This achievement reinstates the massive contribution of the port sector to India's economic transformation. With 90% of the country's trade (by volume) dependent on the sea, this milestone is another indicator of our efforts towards nationbuilding," said Adani, adding that collectively the company has generated over 100,000 jobs and educated over 25,000 students.

Going forward, APSEZ has set its sights on higher targets with aims to double growth up to 400mt by 2025 with the adoption of tech-driven innovations capable of integrating conventional business processes with the new age digital technologies.



BULK TERMINALS 2019

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More details at www.bulkterminals.org/events.html



NEWS IN BRIEF

HULL MARKS WOOD PELLET MILESTONE

Port of Hull has recently celebrated a milestone, completing the largest shipment of wood pellets ever handled at ABP's Dry Bulks Terminal.

The ABP operations team successfully discharged nearly 30,000t from the 200m *Isadora*, destined for the Drax Power Station in Selby. The shipment will generate enough sustainable electricity for almost 18,000 homes for a year.

Fully complete in over 77 hours (including stoppages), the weather-sensitive cargo of compressed wood pellets was directly loaded to lorries and the remainder of stock is stored in the state-of-the-art 26 Shed.

NEW WAREHOUSE FOR OBA

A state-of-the-art new warehouse now occupies pride of place on the OBA site in Amsterdam's Westhaven. The warehouse, with a capacity of 33,000m³ is intended for the storage of a variety of dry bulk products. The warehouse further expands the covered storage capacity to 181,000m³. Construction of the warehouse started in July 2018 and was completed without incidents.

VFPA WINS CONSERVATION AWARD

The Vancouver Fraser Port Authority-led Enhancing Cetacean Habitat and Observation (ECHO) Program has won the Award for Conservation Leadership in Support of Corporate Responsibility at the Ocean Awards gala held at the Vancouver Aquarium. The award recognised the progressive efforts of the ECHO Program and its ability to collaboratively advance meaningful ocean conservation work. Since its inception in 2014, the ECHO Program has advanced a number of world-leading research projects on reducing underwater noise.

ABB UNVEILS APP TO OPTIMISE CARGO HANDLING

ABB has launched a new digital application to optimise dry bulk handling. The new ABB Ability Stockyard Management System enables fully integrated collaborative operation by connecting all available information and process data to optimise bulk material handling terminals and stockyards of coal-fired power plants, steel plants or mines.

Offering sophisticated material tracking and quality management, the system increases the efficiency of stockyards in connecting consecutive steps in complete materials transportation chains. It also enables seamless integration in production planning, providing real-time information on handled material and supports the management of one or multiple inputs and outputs of different material qualities, storage, mixing and blending.

"This application is the latest example of how ABB as a pioneering technology leader in digital industries is helping our customers to realise the true potential of digital to optimise their operations and achieve a certain quality of outgoing material," said Franz Rietschel, global product manager for Stockyard Management System.

"Just-in-time or even just-in-sequence is long-established in the automotive industry; now these techniques are available for bulk material handling logistics too."

It is a configurable system that can be used to digitalise the complete material handling chain. The material flow can be modelled across all belt conveyors and transportation equipment with material properties and quality information via automated data interfaces.

Notable features include a calculated stacking model built up according to the tracked material and acting as a 'digital twin' of the stockyard; control and prediction of the material flow in various lines with material forecast, tracking and production history; and the ability to coordinate all excavators in the mine or yard machines in the plant at the right position with the right timing to realise a pro-active production control that enables online mixing material according to tracking, forecasting and online quality control.

The new ABB Ability Stockyard Management System is the latest addition to the portfolio of ABB Ability digitally-enabled industry solutions, products and services.

BULK TERMINALS

SPRING 2019

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THE OFFICIAL MAGAZINE OF THE ASSOCIATION OF BULK TERMINAL OPERATORS

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