

SPECIAL EDITION 2016
CELEBRATING 40 YEARS
AT CARRINGTON

PORT WARATAH
COAL SERVICES
COMMUNITY
NEWS



PORT WARATAH
COAL SERVICES

Pioneering Through Partnership



WELCOME TO THE PORT WARATAH COAL SERVICES COMMUNITY NEWSLETTER



It will be immediately obvious that this Community newsletter celebrates a very special and exciting time in our business. It is a pleasure and privilege to share this with you, our near neighbours and local community.

Having a sense of heritage and origin is important to many of us, whether it relates to our families, cultures or even entities such as sporting clubs. As this newsletter reflects, for us at Port Waratah it is also important to recognise our history, our operations and the people who have been a part of our success over forty years.

Port Waratah Coal Services came into being with the establishment of the Carrington Terminal in 1976 at a time when the Basin Coal Loader was still operational. The changes in scenery around this part of the Port of Newcastle speaks volumes about the history, development and change in Newcastle industry – who would have thought in 1976 that today, glittering large cruise ships would be docking not too far downstream from operating industrial terminals.

Over this period the growth in the coal trade has played a significant role in our city and the region: from the increased activity and development it supported in the port to the flow-on benefits of the investments in terminals, infrastructure and regional facilities. The success with which these many changes have been navigated is a testament to the resilience and resourcefulness of the people in the region and its industries.

In our business we have also navigated many changes over this time: expansion of both the Carrington and Kooragang Terminals was an ever-present activity from the early days to 2013 and included pioneering investment in larger equipment and automation. Delivering services to our customers, while also progressively updating facilities and systems to meet the ever higher expectations of our host communities has been an ongoing challenge and remains one which we relish today.

The forty year anniversary of the Carrington Terminal also coincides with the commissioning of two new shiploaders which arrived in late July. These machines are truly modern in every way, including in the pioneering provisions which have been made for

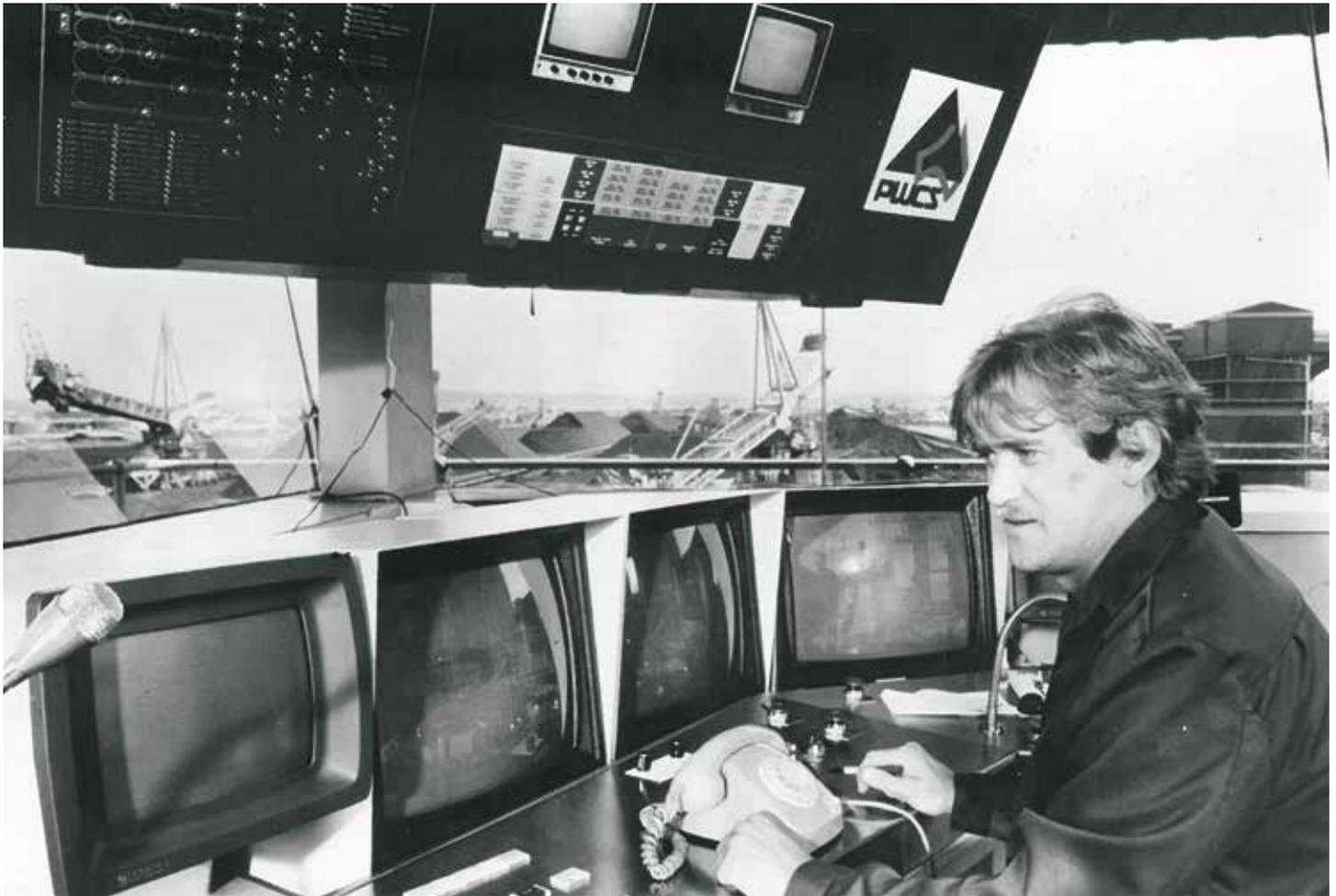
eliminating impact on the environment. The fully enclosed booms and soft flow chutes which can retract for maintenance are again setting standards which keep Port Waratah at the forefront of our industry.

I also wish to recognise the many people who have been partners in this journey, both within our business and through its interactions with the city and community. Over such a long period it is inevitable that there would have been ups and downs and the look back over the past forty years in these pages will remind of many of those. The achievements we celebrate proudly and gratefully, while the challenges and stumbles we learn from humbly.

At Port Waratah our team recognises that we are fortunate to work in a business which is more advanced, efficient and flexible than ever before and therefore we are proud to commit to our community and partners to continue to perform in a way that secures our licence to operate for the future.

Kind regards

– Hennie du Plooy, CEO



Above: Early 1980s CCT Control Room – Bob Woseen. Opposite Page: Port Waratah – 1911

40 YEARS OF DELIVERING FOR THE REGION

It's important to celebrate the milestones and achievements we reach. Continuously improving the quality of our service has been part of our pioneering spirit for 40 years.

Newcastle shares a rich history of coal being loaded for export in the Port of Newcastle for over 200 years.

We're proud to be part of that history and the growth it has brought the region.

Since 1976 Port Waratah has come a long way, from 16 million tonnes per annum through the Carrington Coal Terminal to world-leading throughput through both the Carrington and Kooragang coal terminals. Fast forward 40 years and the current day Carrington Coal Terminal consists of 2 rail and 1 road receipt stations, 4 stackers, 4 reclaimers and 2 shiploaders and has a throughput capacity of 25 million tonnes per annum.

Our teams have created many innovations,

including our award winning Intelligent Dust Management System, which proactively predicts and manages the risk of dust emissions. The success of this system has set the benchmark for other coal terminals around the world.

As well as supporting local jobs and suppliers, Port Waratah is proud to contribute \$750,000 each year locally. It's all part of how the community we operate in shares the value that flows from our business.

Innovating and delivering for our region – *it's who we are.*

PROUD HISTORY

Port Waratah celebrates 40 years of delivering for the region and the Carrington Coal Terminal replaces 3 shiploaders with 2 new shiploaders designed to modern safety, environmental and technological standards.

2016

Terminal 4 Project is approved subject to conditions by the State and Commonwealth Governments.

2015

Record 111.9 million tonnes of coal loaded by Port Waratah and exported through Port of Newcastle.

2014

Completion of Project 145 and completion of all works associated with Kooragang Expansion Project (KEP). Nameplate capacity of Port Waratah now 145Mt.

2013

In June 2010, Project Master Plan Completion (MPC) was approved by the Port Waratah board for further expansion works. This works included the dredging for and construction of wharf K7, extensions to Pad C & D and an upgrade to stacking stream 1 and the remaining dump station.

2010

The Long Term Commercial Framework begins implementation January 1 2010. The Long Term Commercial Framework introduced a new way of planning for rail and port capacity through the use of 10 year 'take or pay' contracts. After the first round of nominations indicated that future demand is more than current capacity, Port Waratah lodges the initial development application forms for the proposed Terminal 4 Project.

2010



Further expansion at the Kooragang Coal Terminal (known as Project 3Exp) included the introduction of an additional Reclaimer (total of 4) and an additional Stacker (total of 6), the upgrade of two of the three dump stations and two stacking streams resulting in Port Waratah now having a combined total throughput capacity of 113 million tonnes per annum.

2009



This further expansion was completed in 2007 and includes an additional 1400 metres stockpile Pad D, a further extension on the existing Pad C by 200 metres, fourth stacking stream and a fifth stacker. Port Waratah takes total shiploading capacity to 102 million tonnes per annum.

2007



Board approval in April 2005 to undertake Kooragang expansion 'Project 3D'.

2005

Completion of Stage 3 Kooragang expansion. Shiploading capacity at Kooragang Coal Terminal increased to 64 million tonnes per annum. Total shiploading capacity at Port Waratah reaches 89 million tonnes per annum.

2002

Port Waratah receives State Government approval for the expansion of Kooragang Coal Terminal.

1997

With the completion of the second shiploader at Kooragang Coal Terminal, Port Waratah's nominal capacity reaches 66 million tonnes per annum.

1996

Port Waratah commits to 'Step-by-Step' expansion program for Kooragang Coal Terminal. Stage 2 construction commences, with 2nd berth completed in 1994.

1993



2019

Port Waratah Coal Services purchased all of the shares in Kooragang Coal Loader Limited, thus making Kooragang Coal Loader Limited a wholly owned subsidiary of Port Waratah. The combined loading capacity of both Carrington Coal Terminal and Kooragang Coal Terminal was 46 million tonnes per annum.

1797

Newcastle first discovered by Europeans when Lieutenant John Shortland, looking for escaped convicts, entered the harbour. He found a coal seam on the hill and collected a sample to take back to Sydney for analysis.



1799

Vessel "The Hunter" carries first export coal to Bengal via Sydney.

1802

First direct coal export from Newcastle (to Cape of Good Hope) via vessel "Anna Joseph".



1878

Hydraulic cranes erected for the first time in 1878, speeding up the coal loading process greatly.

1896

The Port of Newcastle had 12 hydraulic cranes and 5 steam cranes for coal loading.



1913

Record 5.2 million tonnes of coal shipped from Newcastle. This volume of tonnage was not achieved again until the 1960s.

1915

First Electric Cranes built for loading coal.

1958

A local mining company built the Dyke Loader located at Carrington Coal Terminal present site, the first 'modern' conveyor type loader. This loader relied on direct feed from rail wagons (there were no stockpiles or bins).



1967

The NSW Government built and commenced operation of the Basin Coal Loader which had an operating capacity of 7 million tonnes per annum.

1968

Canwan Coal Pty Ltd established 'private' stockpile operations (in an area near where Carrington Coal Terminal now stands). This linked by conveyor to the Basin Loader in 1970, increasing capacity to 11 million tonnes per annum.

1974

Gollin & Co commenced construction of a new coal loader at Port Waratah, the current site of Carrington Coal Terminal. Stockpile areas occupied the 'old' Port Waratah rail marshalling yards.

1976

Gollin & Co encounter financial difficulties. A group of coal shippers and Japanese investors form Port Waratah Coal Services Limited to acquire the project and assume responsibility for the funding, construction and operation of the new terminal. Port Waratah Coal Services came into commercial operation in October 1976 and the new Terminal had a throughput capacity of 16 million tonnes per annum.

1982

Port Waratah expand Carrington Terminal to present capacity of 25 million tonnes per annum.



1984

Kooragang Coal Loader Limited commences operation. Port Waratah Coal Services and Kooragang Coal Loader Limited established a formal commercial agreement which provided for a common loading charge through the Port regardless of which Terminal handled the coal. The Basin Coal Loader stockpiles were closed and all coal was sent by conveyor from Carrington Coal Terminal.



CARRINGTON COAL TERMINAL CELEBRATES 40 YEARS



Left: Pre-1974 Aerial prior to the construction of CCT

Above: 1977 Aerial of the newly constructed CCT

Below: Early 1980s Aerial of CCT





Above: Shiploader 1 on fire taken from the northern end of DYKE 5 – August 1978

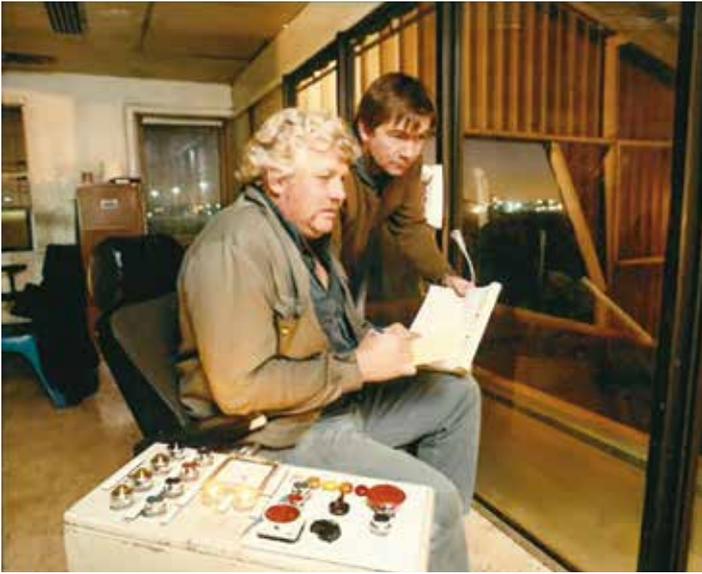
Top Left: CCT Admin and Amenities area 1977–1978

Middle Left: Mick Hayes - Shift Supervisor CCT Control Room. CCT Mimic Panel manually operated the plant from this panel. Early 1980's

Bottom Left: CCT Fire Team Right to Left: Paul Williams, Barry Thomas, Glynn Hulando, Alex Moxon, Phil McCulloch, and Jim Morris

Below (L) Eddie Norton (CCT) and (R) Mick Maloney (KCT) taken from KCT with CCT in the background





Tony Monagle (R) and Lindsay Ball (L) Upstairs adjacent to RR3 at CCT Early 1980's



Right to Left: John Wallace, Peter Van Clement, Kevin Mather and Trevor Russell at knock off time.



Ruth Reid & Maureen Holland, circa 1997



Port Waratah's first stall at Carrington Village Markets in 2015



August 2016 Aerial of CCT



Shiploader Replacement Project at night August 2016

IT'S WHO WE ARE

At the heart of every business is its people. Port Waratah's success is built on the collaboration of a world-class team of employees. Our team is made up of a diverse range of roles, with the majority of employees and their families living in the local community. Our very foundation is to create prosperity and sustainability for the local economy.

Our people have been integral to this success for forty years. In celebration of 40 years in operation for Carrington Coal Terminal we recognise our employees across both terminals that have achieved a service milestone of 20 years or greater. Innovating and delivering for our region – *it's who we are.*

Years Of Service

20-25 YEARS

Glenn Dunn
Laurence Feeney
Gavin Fry
Megan Hirst
Robert Jarvie
Simon Martin
John McCowan
Edward Norton
Neil Stokes
Gregory Wood
Richard Bevan
Gregory Blanch
Stephen Bogan
Justin Crosland
Scott Dowse
Michael Fall
Denny Frost
Mark Gordon
Darryl Hadfield
Aaron Hodgson
Michael Hughes
Michael John
Terrence Neild
Denis Osman
Craig Park

Ross Piddington
Darren Smith
Michael Thomas
Craig Turnbull
Darren Westwood
Terry Tynan
Bill Dowling
Mark Bower
Janine Fry
David Carter
Robert Young
Wayne Gladstone
Michael Henderson
James Oliver
Elliot Burns
Ian Goodwin

26-30 YEARS

Mark Barrett
Gregory Sammons
Ian Beaumont
Gavin Hill
Leslie Fetch
Geoffrey Kable

31-35 YEARS

Gregory Cheetham
Bruce Croger
Darren Jeffery
Ruth Reid
Ian Johnson
Neil Bates
Geoffrey Maher
Gregory Fox
Colin Walmsley
Gregory Bell
David Fidler
Michael Connors
Russell Keevers
John Linich
Duane Siever
Barry White
Paul Attwood
John Wilk
Bruce Long
Phillip Spence
Peter Stead
Paul Reed
Dennis Outram
Graeme Kime
Trevor Hulse

Robert Jones
Darrell Kelly
Ronald Bailey
Leo Kavanagh
John Gibson
Matthew Maloney
Garry Mullington
Peter Nilsson
Terence Smith
James Morris

36-40 YEARS

Richard Palmowski
David Robertson
Maureen Holland
Stephen Blackburn
Peter O'Keefe





CARRINGTON'S NEW SHIPLoadERS ARRIVE

Around midday on a cold, windy Sunday in July, the Happy Buccaneer entered Newcastle Harbour. With its impressive cargo perched on the deck, Novocastrians were afforded an up close and personal look at Carrington Terminal's two new shiploaders – even the Pokémon Go gatherers looked up from their iPhones to take a look.

As the vessel was brought down the channel and tied up at Carrington Wharf, a collective sigh of relief was audible from the Carrington Terminal. The shiploaders had arrived safely after their journey from China, sailing around a typhoon.

The new shiploaders were successfully lifted off the vessel and onto the wharf. For 12 days there were 10 coal shiploaders in the

Port of Newcastle, 5 at Carrington, 3 at Kooragang and 2 at NCIG. Shiploader 3 was loaded onto the vessel and we said goodbye to the Happy Buccaneer and Shiploader 3 on Friday 5th August.

We now move into the next phase of the project, commissioning and integrating the new shiploaders into the existing infrastructure so they can be fully operational by the end of 2016. The two remaining original shiploaders will be removed during the commissioning phase and dismantled offsite.

To find out more we have project information, including an animation and videos on our website or as always you are welcome to give us a call.



COMMUNITY CLEANS UP THROSBY CREEK

A regular event on the calendar, about 50 Port Waratah employees teamed up with the local community to clean up Throsby Creek. Newcastle High School students, Newcastle Rowing club members and local residents joined us to help to make a difference in the amount of rubbish and debris that collects along the shoreline of Throsby Creek from Kennedy Cove around to the Cowper St Bridge.

Port Waratah also undertook a separate mangrove makeover off Elizabeth St, Carrington earlier in the year. Together, for the two successful clean ups we removed and disposed of approximately 8 cubic metres of rubbish.

Newcastle High School students commented on the amount of straws they were finding. Food wrappers, plastic bottles, plastic bags and glass seemed to be most common items, with some more unusual items like a single motorcycle boot and an old bike cleaned up as well.

We are also working on a landscaping plan for the terminals and used part of the day to plant some trees just inside the entrance to the Carrington Terminal. 100 native trees and shrubs were planted under the watchful eye of the site supervisor “Kookie.”

Our sincere thanks to Newcastle Rowing Club for hosting us on their lawn and for providing tours of their sheds and rowing equipment and sharing the proud history

of rowing in Newcastle. Terminal Manager Steve Rigby said “doing these clean ups is a meaningful way we can interact and give back to the community and I’d like to thank all of our employees and community members for coming along and helping out.”



COAL RECEIVAL

1 × 4,400 tph
rail capacity

1 × 4,600 tph
rail capacity

1 × 2,200 tph
road capacity



COAL STOCKPILES

4 × 1.0 kilometres × 40 metres
750,000 tonnes max capacity
400,000 tonnes working capacity
4 × 2,500 tph stacking capacity

Carrington Coal Terminal has loaded more than
300 million
tonnes of coal over the past 40 years.

That's equivalent to
150,000
Olympic swimming pools!

COAL LOADING



× 2,500 tph
reclaiming capacity



× 2,500 tph
shiploading capacity

16.5

metres depth at berth

Berth space for 2 vessels



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