

Twyford Waterworks Trust

Company limited by guarantee Registered Number 1904919. Registered Charity No. 291720

President: Dr Edwin Course

Chairman: Graham Feldwick, 22A Ropers Lane, Wareham, Dorset BH20 4QT. 01929 552973 . chairman@twyfordwaterworks.co.uk

Vice Chairman

Terry Forder-Stent, 01962 712443

Secretary/Company Secretary

Mark Hodgson

Treasurer

Richard Broadway, Caroline Hawkins

Board of Management

Ralph Scaiff

Twyford Parish Council representative

Richard Izzard

Winchester City Council representative

Mike Southgate

Winchester City Council (observer)

Cecily Sutton

Hampshire Buildings Preservation Trust

Peter Mason

Hampshire County Council representative

Nigel Woodham

Winchester Model and Engineering Society

Also Geoff Bailey, Colin Billingham, John Bullen, Ray Caine, Alan Down,

Matthew Feldwick, Martin Gregory, Pam Moore, Steve Smith.

HLF Return to Steam Team

Geoff Bailey, Colin Billingham, Richard Broadway, Ray Caine, Alan Down, Will

Ettle, Chris Fairlie, Graham Feldwick, Matthew Feldwick, Terry Forder-Stent,

Martin Gregory, Ian Harden, Keith Hawkins, Mark Hodgson, Jim Jones, Mike

Matthews, Morley Slade, Steve Smith.

Management Team

Administration Co-ordinator

Mark Hodgson

Volunteer & Events Manager

Suzanne Gill

Compliance / Health & Safety Co-ordinator

Ray Caine, Graham Feldwick

Clerk of Works

Colin Billingham

Restoration Co-ordinators

Geoff Bailey, Alan Down,

Matthew Feldwick, Steve Smith

Terry Forder-Stent

Matthew Feldwick

Martin Gregory

Grounds Co-ordinator

Site Operations Co-ordinator

Heritage Co-ordinator

Friends Secretary

Lesley Feldwick 01929 552973

Publicity coordinator

Geoff Bailey 02380 556922

Open Day Co-ordinators

Matthew Feldwick 01962 714716

Martin Gregory 01962 861489

Vicky Feldwick 01962 714716

Guest Newsletter Editor

Webmaster

Tuesday Evening Gang

Housekeeping

Graham Feldwick

Matthew Feldwick

Ian Harden



From the Chairman.....

En avant! Isambard Kingdom Brunel's famous motto seems most appropriate as we do indeed move forward with our Return to Steam Project. Twyford Waterworks has never been known for the ease of the projects that we undertake and this one has been no exception, but here we are standing at the start of the work.

Southern Water's superb roof project was completed just before our May Open Day, allowing our many visitors on that occasion and since to see the restored glory of the main buildings unimpeded by scaffolding. As reported in the last edition of 'The Works' our asbestos problems are now behind us. With both of these hurdles finally ticked off, it's left the way clear to pick up where we left off with the HLF Return to Steam Project in 2012, when we first discovered our asbestos challenge, and it was great to be able to sit down at a meeting with our external project managers and contractors a few weeks ago to discuss the details again. The final step has been to identify the start date for the project, which is now Monday 7th July, when work will start on dismantling the main boiler tubes and headers of the 1906 boiler. With a

following wind we have planned for the restoration of the boiler to take around 30 weeks, so the actual return to steam should be in early 2015.

Of course, the boiler work is just one part of the project and in addition to the extension to the toilets and the building of our new workshop by our contractors there is much for us to do – bringing the Hathorn Davey engine back to working order, redecorating the interiors of the buildings, fitting out the workshop, and putting together our new interpretation and displays will all keep us



very busy. If you are not part of our volunteer team now is the time to join in! Also, now is the time to let it be known that you want to operate the boiler or engine when we are back in steam, so that we can add you to the list and make sure that you are properly trained to do this.

We haven't as yet identified a new Chairman for the Trust, and as this is clearly not the time to be without one, I've offered to our Board to continue for a further period if required. The role, and that of Resources Manager, remain open and I'll be very happy to take you through these if you are interested in either position.

So, let's all get going - we've all waited a long time for our Return to Steam, and with a lot of effort in the next six months it will all become a reality. *En avant toute!*

Graham

All Friends of Twyford Waterworks are invited to

Annual General Meeting

at the

Phoenix Inn, Twyford

on

Sunday 20th July 2014

2.30pm – 4pm

We look forward to seeing you there

Our roof works

The following press release was issued by Southern Water in May:

Full steam ahead for Twyford Waterworks

The volunteers of Twyford Waterworks Trust are celebrating a crowning moment in the building's history, thanks to Southern Water.

The trust was formed to get the steam engine and boiler working so it could be demonstrated to the public during open days but was held up by problems including the discovery of asbestos.

That was cleared and in 2012, the trust was awarded nearly £1 million of Heritage Lottery funding for the project – but only as long as the slate roof was made watertight.

Southern Water, which owns the unique Edwardian pumping station but leases it to the trust, stepped in to help. With contractor BTU, it embarked on the task of reroofing the waterworks, which turned out to be a huge undertaking.

Project Manager Paul Saunders said: "We uncovered all sorts – rotten timbers and gutters and downpipes with holes in them. It is a historic monument, which means it is on a par with Stonehenge, so we had to work closely with English Heritage."

Adrian Atherton, BTU Site Manager, said: "Essentially it had to look as if we hadn't done anything. Everything had to be reclaimed or reused to match what was already there – the slates had to be shipped from Wales, for example."

It took nearly a year and cost £600,000 but the end result received a glowing report from English Heritage. Ben Jervis from the organisation said: "I'm very happy with the standard of workmanship. We've been impressed by the attention to detail."

Now Southern Water has officially "handed over" the completed works to the trust volunteers. Trust chairman Graham Feldwick said: "This is a very important moment for us and we are incredibly grateful to Southern Water for doing this work."

"Returning to steam was a key priority for us and now we can start our lottery-funded project to breathe life back into the boiler house and steam pumping engine. We are confident we will be "steaming" again by next year."



Terry, Ray and Graham together with representatives from Southern Water, BTU, Williams Roofing and English Heritage at the official handover of the completed roof works on 9th May, when BTU donated a quantity of paint to our Trust to enable us to complete the exterior redecoration. Photo courtesy of Southern Water.

Group Visits

Every year we welcome to the Works a number of groups, clubs and societies who enjoy either a guided tour, the facilities we have to offer, or both. Most notably in the past month we have welcomed two young people's groups who have brought their activities to us. Firstly, a local Cub Scout pack were given a condensed tour of the pumping engines and the nature trail before several made their Scout Promise on the main lawn. Secondly, a branch of the Young Archaeologists' Club who came for a session on industrial archaeology and then spent the remainder of their sunny afternoon engaged in tasks supplied by their leaders. Both these groups made use of the new hide and both will be looking to return in the future.

We have several more group visits booked for this year and the first enquiries are coming through for 2015 – with the new Discovery Zone in the Boiler House we will have more facilities for our visitors when that is completed too. Please drop us a line if any organisation you might belong to would be interested in booking a date next year.



May and
June Open
Days in
pictures.

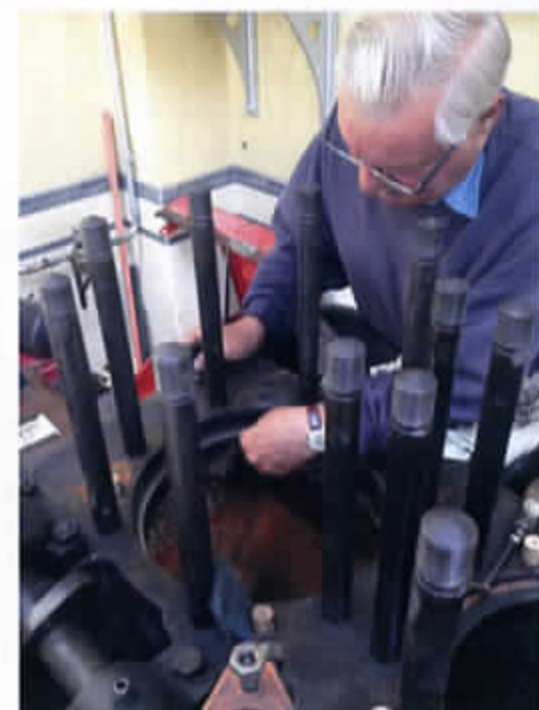


Around the Works

It goes without saying that we have been working hard since the last report; every area of the Works seems to have volunteers busying about most working days. Since the completion of the main roof, significant effort has been made to complete the painting of the ground floor windows, doors and corrugated iron. While there is still a large area left to cover, progress has been rapid and the results speak for themselves – most noticeable to the visitor will be the corrugated wall of the tea room which now looks especially splendid in its new green paint.



Engine House



With the internal scaffolding removed and the dislodged dust of a century cleaned up attention has now turned again to preparing the engine for its return to steam. One of the tasks identified is the hydraulic testing of the engine's reheaters. The primary purpose of this apparatus is to gain efficiency for the engine by making maximum use of the energy contained within the steam. Effectively they intercept the superheated steam from the boiler passing to the high pressure cylinder and transfer some of that heat to the steam being used within the engine at that point. New blanking plates have now been fabricated in readiness for this test.

Diesel House

Work has again recommenced on the return of the 4VER diesel pumping engine to running condition. Just before the roof works started a cooling water leak was discovered within the engine itself. With the cylinder heads once more removed further testing revealed that one of the cylinder liners was causing the problem. These liners had not been removed during the early stages of the restoration and closer examination showed that it was not only missing key sealing o-rings but also had suffered some minor damage, probably when the engine overheated during its final time in service. Although this is a setback it is not an insurmountable problem and a simple repair can be made. The aim of the diesel team is to have the engine up and running sooner rather than later.



In the last edition it was reported that a 1950s Ruston 6PS air-start engine had been donated to the Waterworks. However, and via the same benefactor, another 6PS has arrived! This engine is of the early petrol/paraffin type with a thin flywheel, WIKO EK magneto and is an exact replacement for Twyford's long-scraped example. Additionally the provenance is excellent – it was built in 1934 to supply starting air for a Ruston VER pumping engines at the Rickmansworth & Uxbridge Valley Water Company. Currently dismantled it is in the process of assessment prior to restoration to working order.

Filter House

With the filter tanks reinstatement project nearing completion lighting has been added to illuminate the visible recreated pipework under the floor. Painting is in process and remains the final major task left to finish.

Lime Kilns

Remedial work to the timber frames of two of the doors has now been completed with only a quick coat of gloss paint now required to finish the job. The highly worn hydraulic engine driving the overhead line shaft has been assessed with a view to rectifying some of the excessive play in the pistons and bearings. Now over 110 years old this engine is water lubricated and, as with all oscillating engines, prone to wear in these areas.

In hiding...

The hide at the top of the site is now functioning and being enjoyed by many visitors on the Open Days.

Take a moment to pop up there and see the varied wildlife that now visits the pond and the wider site.



HLF Return to Steam Project

As Graham has already highlighted, the all-important news is that we are now on our way to return to steam! Our successful application for planning permission was the very last hurdle, and we are now focusing on all that is required ahead of us.

The boiler restoration is a huge project in its own right, and we are very fortunate to have secured two excellent contractors – H A McEwen Boiler Repairs Ltd from Keighley, and more locally based Gregory Havant Ltd – to see this through to steaming. We are really grateful that both companies have stood by us throughout the last couple of years as we've wrestled with the issues thrown at us. They will be coming on site from 7th July to start the work. Selway Joyce Ltd of Winchester, already well known to many of us, is providing the project management to steer the work. Of course, the work will involve bringing containers and site huts to the Waterworks, and you'll find areas will become out of bounds as we progress. In addition to the boiler restoration, the building work for the toilets and workshop will also cause some disruption but we'll be working to keep this to a minimum.

Our own work on the Hathorn Davey engine and the Engine House redecoration are large projects in their own right and, as Graham indicates, we need all the help that you can spare to get these completed on time. There's something for everyone here so do please join in if you are not already involved.

One sixth of our Heritage Lottery Funding is for interpretation, so this too is a very important part of our overall success. There's a large Discovery Zone to design and put together in the Boiler House for a start, along with a completely new look and feel to how we present the Waterworks to our visitors. Again this is a great time to join in.

Well, we will not be celebrating our Hathorn Davey engine's 100th birthday by steaming her, so that will have to wait until she is 101, but that will be a great way to start her second century of operation!

Return to Steam Team



Friends of Twyford Waterworks

The Friends of Twyford Waterworks Trust are very special! So many of you have supported the Trust through the long preparation time for our Return to Steam project, and at last this is about to start.

We are so fortunate to have such a wide range of members – whether you are able to volunteer, visit on Open Days, or support from afar, you are greatly valued. If I still haven't received your subscription for this year a reminder is enclosed – please do support us with your continued membership.

In this edition of *The Works* are full details of the Trust's AGM on 20 July. Every Friend is entitled to attend, and if you are able to get to The Phoenix, we will be very pleased to welcome you there!

Do you want to show you belong? If you have been to an Open Day recently you may have noticed some volunteers modelling the new TWT polo shirts, complete with revised logo. Available in bottle green, Ladies' and Gents' sizes Small to XXL, they can be ordered direct from me at £13.50 each. Children's sizes are also available at £10.95. Please give me a call or email me to place your order.

Finally a very warm welcome to David Clark, Robert Fish, Stephen and Tina Fosberry, Michael Hughes, Kevin Simmonds and Len Thwaites who have all joined The Friends since the last newsletter.

Lesley



It's in the details

A fantastic picture of the beautiful detailing around the site as revealed by the recent work on the roof and building.

SARSEN PRESS

Sarsen Press is an independent printing company that has been operating in Winchester for more than 30 years.

We provide a helpful personal service to individuals, businesses, charities and voluntary groups. We have high

standards and offer good value for money. We work with you to ensure that we produce exactly what you want.

Whenever possible we use Forestry Stewardship Certified and recycled paper.

You can supply your work to us by email or other computer media. Some jobs can be printed directly from your hard copy. Our graphic designers can also work with your copy to design and typeset your work.

We also do photocopying, guillotining, stapling, padding, collating, booklet making, wire binding, plastic comb binding, perfect binding (paperback books), book production, numbering, scoring, perforating, drilling and mailing.

Sarsen Press, 22 Hyde Street, Winchester SO23 7DR

info@sarsenpress.com • www.sarsenpress.com • 01962 854281