



North Yard Construction News

**What will
be happening on
site up to
Christmas 2013?**



This recent picture from our webcam shows (from left to right) the waste bunker wall, followed by the boiler house, the turbine hall and the APC residue containers. The chimney will be erected at the far right of the picture.

It is a year since we started the main construction works for our Devonport EfW CHP Facility in the North Yard. The walls and floor slabs are being constructed and alongside these, steelwork erection is underway for the boiler and air pollution control (APC) system, which ensures the safety of emissions. Many components of the incinerator grate system, boiler and APC system have already been installed. The shape of the turbine hall can be clearly seen in the centre of the site, ready for the boiler to be installed above and around it. Images from our site webcam can be found on our website at <http://mvvuk.co.uk> on the SWDWP page.

The next stage of construction will involve further steelwork erection as well as installation of the boiler and erection of the chimney at the north end of the site. The chimney has arrived on site, divided in four sections. The sections have been erected and secured so that the chimney now stands at its final height of 95m.

The aerial photograph on the reverse of this newsletter was taken in July. The insert photographs show more recent details, that can be seen from on site.

Welcome to the fourth edition of North Yard Construction News

Dear Reader, If you have not received a Construction Newsletter before then welcome to this, our fourth edition. We have widened the distribution area due to the fact that our construction site is now visible from further away as it rises out of the ground. Some parts of the structure are now approaching their final height, such as the two stair towers which mark two of the corners of the boiler house.

Since I last wrote in March the project and the construction have progressed greatly. The site at North Yard, Devonport Dockyard is now our main focus, so the Plymouth team of MVV are now entirely based at the site offices and can be contacted there (full contact details are on our website at www.mvvuk.co.uk). The office at Unit 10, Scott Business Park, is now closed. Nonetheless, we remain committed to being available to listen to your concerns and answer questions. Therefore, we will continue our monthly drop-in sessions at Tamar View Resource Centre in Barne Barton for anyone who would like to speak to us face to face. These take place on the last Tuesday of every month between 9:30 and 11:30. If residents in other areas would like a similar opportunity, please let us know and we will try to accommodate this. We are also hoping to increase resident numbers on the Incinerator Liaison Committee and you would be most welcome

to join us at Tamar View Community Centre from 6pm on Thursday 26th September to find out more about this.

Over the next few months, additional sub-contractors will be arriving on site to deliver specialist aspects of the project. Co-ordination between the different activities is essential and communication between all contractors working on site is very good. Our Construction Environmental Manager has provided us with some statistics regarding our performance: the steel being used on site is over 90% recycled; the concrete used in construction is 39% recycled by volume, using a replacement for cement called GGBS.

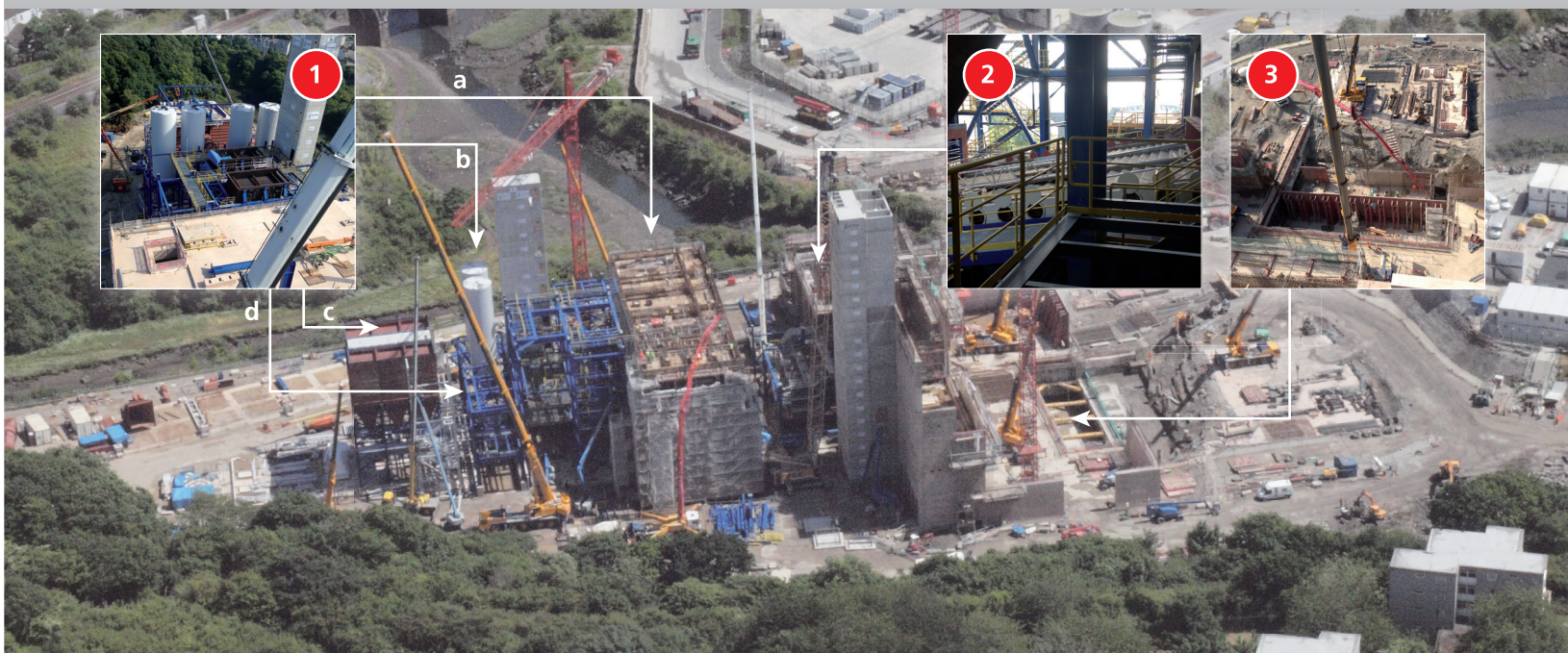


GGBS is a by-product of blast furnaces, producing an aggregate with greater strength-giving properties than cement. Using recycled materials in our construction can help to significantly reduce carbon emissions when compared to using virgin materials, as well as protecting natural resources. For example, in using a total of 4868 tonnes of steel, Kier have ensured that 4441 tonnes of this is made from recycled material. This represents a saving of 4441 tonnes of CO₂ emissions during the manufacturing process, adding this to the 3800 tonnes of CO₂ emissions saved in the use of recycled material in the concrete, this represents a saving of 8241 tonnes of CO₂ emissions, which is equivalent to taking around 3000 cars off the road. In addition, we recycle the majority of our construction waste including timber, metal, paper as well as any food waste. Food waste goes to Langage Anaerobic digester and helps produce 'green' electricity for the Langage Farm Dairy.

The phase two landscaping contract and the maintenance contract for the off-site landscaping works have both been awarded to local companies; Landscape Matters and The Conservation Volunteers. In addition to this, our overall local employment rate on site stands at 70% as stated in our quarterly Local Employment Scheme report. Our subcontractors are supporting our commitment to local employment by advertising tenders and job opportunities locally and on our website.

As always, we aim to carry out all works whether on or off-site as considerately as possible and we welcome your comments and questions. Full contact details are supplied at the end of this newsletter.

Kind regards,
Jane Ford, Community Liaison Manager



1a. View across the top of the turbine hall looking towards the chimney (not erected in this photograph). In the foreground is the turbine hall where steam drives the turbine to generate electricity and some steam is extracted for heating and hot water.

1b. These silos will hold the residue from the Air Pollution Control system which collects on the filter bags. This residue is shaken off the bags by sending a pulse down them and collected for safe removal from site.

1c. The salt produced in the acid/alkali reaction forms a 'cake' on the outside of the filter bags, housed inside these brown boxes. This prevents smaller particles from passing through and being released up the chimney.

1d. Of the two silos on the left (not shown in main photograph), one will contain sodium bicarbonate for neutralising any acidity in the flue gases and the other will contain activated carbon or lignite to trap any larger particles in the flue gases.

2. View across the surface of the grate. This is where the waste will burn. It will be fed onto the grate from the right (in this photograph) via a hopper and the grate will shuffle the waste down (to the left in this photograph) along its moving plates.

3. View looking down into the waste bunker from the top of the stair tower. At the top of this photo you can see the area of the tipping hall floor with the reception bunker, where the waste will be tipped, in the middle and the storage bunker at the bottom and to the sides.

How to get in touch

If you would like to speak to someone face to face and find out more about the project, our Community Liaison Manager is available on the last Tuesday of every month at Tamar View Resource Centre, Barne Barton, between 9:30 and 11:30.

Site visits can be arranged by contacting Jane Ford at the site office on: 01752 393156 or via her mobile: 07876 135632