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Gloucestershire Energy from Waste Facility

Welcome to the latest newsletter from Gloucestershire Energy from Waste Facility. The construction of this facility is part of a joint venture between Urbaser and Balfour Beatty (UBB Gloucestershire) to provide a key element of the waste management infrastructure in line with Gloucestershire's Joint Municipal Waste Management Strategy.

Work at the facility is progressing with the boiler pressure testing, Western Power Distribution installation, and the pre-assembly of the Air Cooled Condenser all successfully completed over summer.

As well as these quarterly community-based newsletters, we also publish regular construction update bulletins and attend Community Liaison Group meetings. To find out more about these, please visit our website at www.ubbgloucestershire.co.uk or for any queries please contact us directly: info@ubbgloucestershire.co.uk.

With best wishes,
Andrew Bendall
Urbaser Balfour Beatty Project Director



Project Update

Over summer, we successfully completed the boiler pressure test on schedule. This demonstrated the build integrity of the boiler, and allows follow-on activities to take place, such as installation of the cladding welds inside the boiler, refractory lining which acts as an internal insulation layer, and external insulation. We also successfully carried out the fire water tank integrity test.

Construction of the steel structures is nearly complete which has allowed the external façade of the building to progress. We expect to have most of this work completed in the coming weeks with the final elements being completed by the end of January.

Pre-assembly of the Air Cooled Condenser (ACC) has started on site, ready to be lifted into place in the coming weeks. The ACC condenses the residual steam back into water to be recycled and reused by the facility. The ash-handling equipment for the incinerator bottom ash hall is also now on site and the installation is progressing as planned.

Western Power Distribution is completing post-installation testing on the 33kv power cable in preparation for energisation this month. The installation of the pipework on site to connect the equipment together is also progressing well with the first system tests expected this month. The final electrical and piping works have commenced within the flue gas treatment hall, which cleans the boiler gases prior to being released into the atmosphere.

The final civil elements of the facility are almost complete, as construction of the tipping hall floor, gatehouse, and weighbridge foundations were finished in August. Installation of the low-voltage underground ducting has progressed significantly and construction of the final process areas has begun, along with the construction of the attenuation ponds, which will manage water drainage across the site.

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Nature returns to Javelin Park

It has always been a priority that the location of the Gloucestershire Energy from Waste Facility would eventually become a wildlife corridor, linking various local natural habitats for animals, and attracting them back to the area following the construction works.

In July, we were pleased to see that the return of wildlife to the site had already begun, with a nest of Wagtails building their home in some steel sections that have been stored for future use. When we came to move the steel, one of our operatives noticed the nest containing unhatched eggs and immediately alerted our environmental manager.

[Read the full story here.](#)



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Each month we profile a different member of the team at the Gloucestershire Energy from Waste facility. In the spotlight for this newsletter is Project Engineer, Ana Ferrero.

When did you take up your position?

I took up the role of Project Engineer at Gloucestershire Energy from Waste a year ago in August 2017.

What experience and qualifications do you have that are relevant to your role here?

I am an architect. I have been working for Urbaser Ltd (UK) for the last two and a half years collaborating on two Energy from Waste facilities.

My first project was EnviRecover EfW – a 200,000 tonne per year facility at Hartlebury. My main role was Assistant Project Manager which involved the supervising the progress and quality of the scope of works for the building services and fit-out. I was involved in the supervision of the firefighting system installation, fulfilment of the building design, and checks for the transition from construction to commissioning for mechanical and electrical building services and Building Management Systems (BMS).

What does your role consist of?

My role consists of revising the design in line with contractual requirements, architectural design, and compliance with British Standards and Building Regulations, which is required for most building work in the UK. I also supervise the compliance of architectural design and review the progress and the quality of office equipment.

What made you want to study architecture?

I am an architect by profession and vocation. As a child I used to play with Lego and I spent hours and hours painting. Over the years, my hobby of painting and design transformed into my passion, and my engineering and architectural interests were improving. Architecture studies perfectly combines all these skills.

How did that lead you to work in Energy from Waste?

Energy from Waste is a fascinating world. Waste management and treatment are the future, so why not build beautiful and useful buildings for this purpose? From my point of view, we need more architects that remove the idea of “ugly plants”. I consider myself a defender of functional architecture, whilst still focusing on the aesthetics. In my opinion, architecture should be experienced so that people can “feel it” and are part of it. EnviRecover EfW and Gloucestershire EfW are excellent examples of this concept.

A message from Gloucestershire County Council on Recycling



Recycling. We do. Because it matters.

This year, the nation realised that recycling will help us solve some of our biggest environmental problems. We realised it can help reduce pollution and climate change, as well as ocean plastics. We realised that each and every one of us can make a difference. We are a nation of recyclers. In fact, more and more of us are recycling. But now we do it because we know it matters.

If recycling matters to you then visit www.recycleforgloucestershire.com to find out more.



Community Engagement

The Community Liaison Group (CLG) last met on 18th September 2018. As well as receiving the regular progress update and considering issues raised by the community, the meeting reviewed community feedback on

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In his presentation of the construction progress update, General Manager, Stacey Wright, explained the processes that could be used to ensure increased recovery of metals from the facility, and higher standards of incinerator bottom ash to sell on to the construction industry.

Minutes of the CLG meeting can be found on the [UBB Gloucestershire website](#).



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www.ubbgloucestershire.co.uk

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