Summary of Future Development Projects at Greencore Bow 2019/2020

We are currently at design stage of a number of improvement projects. This involves adjustments to our Office air-conditioning, a new boiler, the introduction of a chemical ring main to distribute our hygiene chemicals and a new effluent treatment plant. This is planned from now until the end of 2020.

Boiler Project Summary

Hot water at Bow is mainly required for general amenities around the site and hygiene cleaning stations within the production facility.
The proposal is to remove the two Potterton hot water boilers (A1 and A2) install a second Fulton upright steam boiler to the same spec as the existing, but modern version of the current operational boiler. This will give site a total steam production capacity of 1280Kg/Hr. The boilers would operate in a lead/lag control method.
Once completed, the total thermal input capacity will be 1MW.

Chemical Ring Main Project Summary

Presently at Bow the chemicals used for the cleaning of production equipment are purchased in 25Ltr / 30Ltr drums and diluted at point of use around production areas of the factory. This activity will be replaced by the use of reusable 1000Ltr IBC units sited in a central bund area where the chemicals will be pre-diluted and pumped around a ring main system to the points of use. This will enable improved control of chemical dosing and as such an overall reduction in chemical usage.
The project is expected to be complete by early 2020.

DAF Project Summary

The DAF clarification system will be replaced & relocated at the rear of our site and will be designed to process up to 10 m3/hour.
The proposal has 5 key elements:

1. Increase the balance tank capacity to allow for consistent flow into the DAF system allowing effective chemical dosing.
2. Increase sludge tank capacity to reduce the number of outloads of sludge from site.
3. Implement an inline sampling process to allow the site to ensure consent is met and control pH of the discharge to Thames water.
4. Install a new polymer dosing system to ensure consistent polymer strength with sufficient 'ageing time' to enable effective solids removal.
5. The relocation project will see the new DAF system with purpose-built containment to greatly improve pollution prevention. This will include an emergency shut off valve to be installed on the surface water drains.

The site's accident management plan will be updated to incorporate all additional containment measures within the DAF plant project.

Note. The project is currently awaiting approval from the landlord to continue (anticipated early 2020). However, it is expected that once this approval has been received the build will take approximately 9 months to complete.