

Local stakeholder update August - September 2017

Below is a summary of the work that has taken place over the last month, and the work planned for the following month.

AUGUST

- The stack was delivered and erected at the beginning of the month. It contains five separate flues which will discharge emissions from the gasification and anaerobic digestion processes. At the top of the stack and middle section, are two sets of three lights which act as a warning beacon for low flying aircraft.
- The shredder for the anaerobic digestion process was delivered and installed. This is used at the beginning of the AD process to shred the food waste into small pieces so it can be pasteurised and will break down evenly in the digester tanks.
- Cladding has been completed on the northern side of the gasification building.
- In the AD area, work continued on pulling cables connecting the sub-station to various electrical items and control equipment. There are a lot of cables on site so this process will continue for a few months.
- Work started on erecting the steel work for the air cooled condensers (ACC). The ACC is a tube heat-exchange system installed at the outlet of the steam turbine. The steam exiting the turbine passes through a bank of horizontal tubes around which air is circulated to cool the steam and condense it back into water.
- Work started on the final structural steel work to enclose the gasification building. Due to the size of the boilers and gasification process equipment, enclosing the building could not happen until all the equipment was in place.

SEPTEMBER

- Work will start on the ash handling facility building. The concrete foundation slab will be poured at the beginning of the month. This takes a while to cure before the steelwork can commence. The ash handling facility will be used to store the ash, which is the output from the gasification process.
- Intumescent paint will be applied to the steel work in the gasification building. This is a special type of paint that provides some fire protection and it is one of the safety features of the facility.
- Internal staircases and handrails will be installed within the gasification building, along with lighting, cabling and internal electrics.

- As the cladding on the admin building progresses, September will see the start of the arrival and installation of the glass windows in the building. This will ensure the building is watertight as we head towards the winter months.
- The staff welfare area in the AD building will be fitted-out. This is the process of making the area suitable for occupation – adding the suspended ceilings, lighting, wall finishes and generally making the area habitable.
- Throughout September, radiography testing will be conducted on the welds of the boiler pipework in the gasification train. This is an important check to verify the integrity of the welded joints and it will be undertaken by independent consultants.