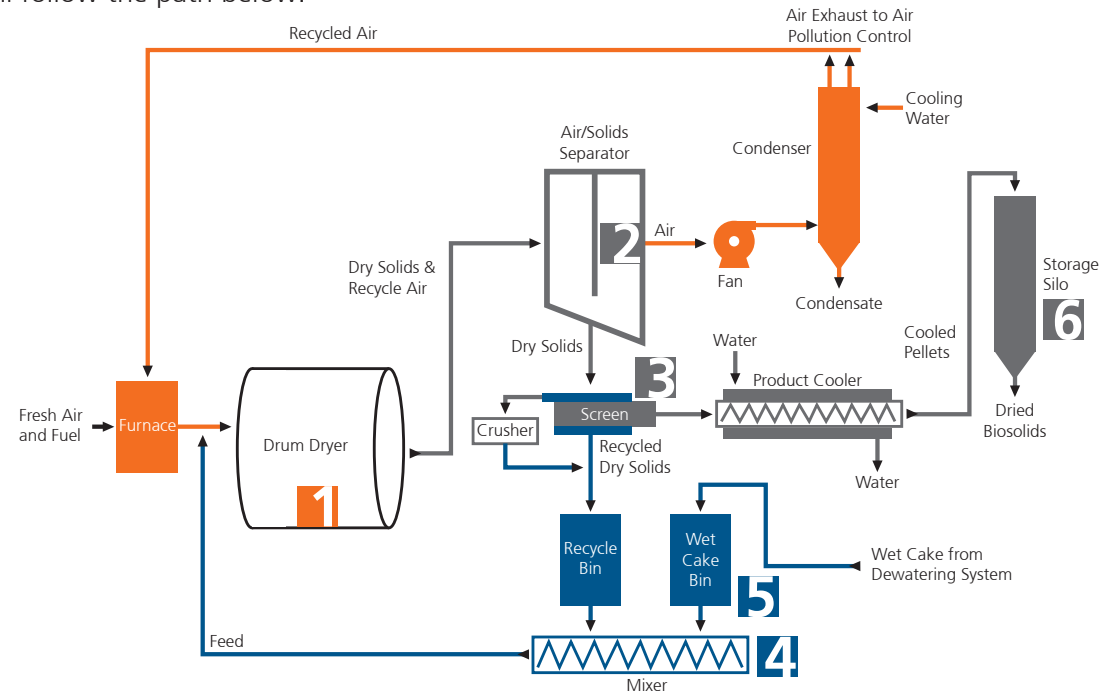


## THE BIOSOLIDS PROJECT IS NEARLY COMPLETE!

Progress to Date 98%

With the Commissioning Phase underway, the new Biosolids facility is set to be operational in May and project close out completed by June 2020. This will begin the 30-Year OMR term; OMR is the operations, the routine maintenance and the rehabilitation (bring facility to a condition specified in the contract by end of year 30) of the Facility. The Biosolids Management Project was created to develop a longterm sustainable solution for the City's biosolids, moving away from a wet sludge Class B material to a Class A Product through a pelletization process. This change allows greater end-use opportunities for the pathogen-free product. The new Biosolids Process will follow the path below:



### COMMISSIONING ACTIVITIES

#### SOFTWARE TESTING

Factory and Site tested to ensure compliance with manufacturer recommendations and specifications.



#### DRY TESTING

All elements capable of testing without flows will be completed. This includes piping and electrical connections, and equipment and control system functionality.



#### TWO STAGE WET TESTING

Flows and biosolids are introduced and equipment, systems and sub-systems are cycled through stop-start operations to verify local controls and operating parameter limits. Odour System Performance Testing completed to ensure meeting sufficient treatment levels.



#### PERFORMANCE TESTING

The facility must operate reliably for 10 consecutive days in automatic mode and be subjected to the maximum design flows and loads for two 24-hour periods throughout the 10 days.

#### CAPACITY TESTING (CONCURRENT TESTING)

The facility will be tested to ensure it meets the design capacity and can successfully process the material flows for a minimum of 8 hours.



## Main Pumping Station

Construction: May 2017 - May 2021

Progress to Date



Almost all structural concrete works are complete and the structural steel pent house roof has been installed. Eleven of the twelve pumps have been installed, and associated process piping installations are underway along with electrical works. Preparation is underway for commissioning of the pumps and other equipment later this year.



## Electrical Power Centre

Construction: Oct. 2017 - Jun. 2021

Progress to Date



Interior finishing works are underway within the EPC building, and underground utilities and base asphalt is complete on the north side of the EPC. Work on the Electrical Distribution loop is progressing with the main loop of the 13.8kV cable pulling being complete and feeds to existing facilities ongoing. Some commissioning activities are underway with the majority of commissioning planned to be complete later this year.

## Tertiary Treatment

Construction: May 2019 - Dec. 2021

Progress to Date



Demolition of the Aeration and Clarifier tanks for phase 1 construction is complete and modifications to these structures commenced, beginning with piles and lagging being installed. Concrete work continued for the Tertiary Facility and removal/installation of underground utilities is ongoing. In addition, a tower crane was erected to aid in commencing the construction of the Tertiary Facility. Excavation started on the Chlorine Contact Tank.

