

Organics Odour Control Biofilters



Case Study Details

Flow Rate:	75,000m ³ /hr + 1,500 m ³ /hr dilution air (summer max.) 44,370 m ³ /hr (winter max.)
Inlet Relative Humidity:	50%
Inlet Dust Load:	<11.5 mg/ m ³
Inlet Particle Size Range:	<10µm
Odour:	17,300 OU

The Source Separated Organics (SSO) Anaerobic Digester (AD) Facility at Disco Road Transfer Station in Toronto, ON processes 75,000 metric tonnes of residential and commercial organics collected in the City Green Bin Program. Anaerobic digestion of source-separated organic materials produces odour emission problems that require control.

In order to eliminate the odour problems at the Disco Road SSO AD facility H2Flow supplied a complete Biorem biofilter odour control system with inorganic Biosorbens[®] media. The biofilter reduces the odour to 17,300 OU to 1,500 OU.

For the same project, H2Flow also provided a SAM SBR sytem, eight PERMASTORE glass-fused-to-steel tanks, three AERZEN blowers, two IPEC screens and an ATARA shaftless screw conveyor package.

Engineering Consultant: AECOM

Client: City of Toronto