

NELSON

Case Study · Ontario · Pilot in Progress

60-tonne biosolids municipal trial.

A 60-tonne thermal trial on municipal wastewater biosolids for a major Canadian municipality, testing single-pass PFAS destruction and recovery of a stable carbon residual.

60-TONNE PILOT · ONTARIO

60 t
Pilot throughput

1 pass
Pathogens, volume, PFAS

3rd party
Validation of results

THE TRIAL

Land application, landfill and incineration all leave residual risk behind: pathogens, metals, microplastics and PFAS that simply moves from the plant to the soil, the watershed or the air.

The pilot puts biosolids through Nelson's high-temperature oxidative process with pre- and post-treatment sampling, continuous process monitoring and third-party analysis, aiming for a stable carbon residual instead of landfill-bound ash.

PROJECT RECORD

CLIENT	Major Canadian municipality
SITE	Municipal wastewater treatment biosolids, Ontario
EQUIPMENT	High-temperature oxidative thermal treatment, single pass
SCHEDULE	Trial in progress
RESULT	Pending third-party analytical data

NELSON ROLE	Technology provider and trial operator
CONTAMINANTS	PFAS, pathogens, metals and microplastics in biosolids
VOLUME	60 tonnes
CRITERIA	PFAS destruction, pathogen elimination and volume reduction

This is a pilot. Performance figures will be published only once the third-party analytical data is final.

Nelson Environmental Remediation · Because tomorrow matters™ | nelsonremediation.com
1.780.960.3660 info@NERglobal.com