

## THE CHALLENGE

Refuel's engineering team recently proved that our innovative closed-loop Mobile Fuel Filtration System is a fit for any challenge.

CBC/Radio-Canada is the nation's largest public broadcaster. They stake their reputation on reflecting Canadian culture and creating a shared experience from coast to coast that is "available how, where, and when Canadians want it," so even short-term broadcast interruptions are unacceptable.

CBC's Toronto-based broadcasting facility relies on reserve fuel from two 20,000-litre tanks to power their generators. The stored diesel had degraded over time, and a test determined that it was unusable in its current state. Discarding the oil and refilling the tanks would have had significant environmental implications and cost approximately \$1.30 per litre (including transportation) – approximately \$52,000.

CBC needed a cost-effective and environmentally sustainable solution, but there was a problem: the fuel tanks were three floors underground and only accessible by elevator.

## OUR SOLUTION

Our Mobile Fuel Filtration Units are engineered for compact efficiency, making them a perfect solution for hard-to-access locations.

Using alternate fuel management methods would have been complicated given the remote location of the reserve tanks, but Refuel provided a simple solution: our team transported the compact Mobile Fuel Filtration System down three floors, using the building's freight elevator.

Once the system was in place, filtering the fuel took only a few hours.

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Had CBC opted to dispose of the fuel (which has been the industry standard for many years) it would have cost nearly \$52,000 to replace the fuel alone, not to mention the environmental waste that would have been created.

## DISPOSING AND REFILLING

Project Cost:

- Purchasing 40,000 litres of new fuel
- Disposal permits
- Disposal and trucking costs for 40,000 litres of old fuel
- Staff time

Project Length: Two-stage process completed over 48 hours

Environmental Impact: High

## MOBILE FUEL FILTRATION UNIT

Project Cost:

- Refuel Mobile System rental

Project Costs Eliminated:

- Eliminated new fuel purchasing costs
- Eliminated disposal permits
- Eliminated disposal and trucking costs
- Reduced staff time

Project Length: 9 hours

Environmental Impact: Very low

