



Hauling and Disposal of MWRA Minor Residuals, 2002-2008
Boston, MA
\$5,300,000



Charter developed a Vacuum Box to safely contain material that could not be successfully dewatered in the Filter Box. Charter transported these wastes to a facility where it was treated with sawdust and other highly soluble solids until the water content was appropriate for disposal.

These developments resulted in significant savings to the State of Massachusetts in additional disposal fees and resulted in a six-month extension of the contract.

Charter was contracted to coordinate 24/7 transportation and disposal services for 2 Deer Island sites and 12 other MWRA automated screening facilities serving the entire Boston area.

Unknown hourly volumes of waste were produced at each location through varying system loading by the City of Boston. Material was transported and disposed of using tractor trailers and roll-off trucks hauling different specially manufactured containers specific to the location from which they served.

Charter worked directly with the Board of Health Directors to ensure compliance with local and State regulations regarding the transportation of sewerage wastes through local towns and cities.

Charter scheduled disposal times and volumes to ensure compliance with facility permitting for the waste. Charter designed specialty Filter Boxes used to dewater free liquids, and specified designs of Vacuum Boxes used to safely transport sludge wastes at various consistencies. Filter Boxes would allow the water to drain from the solid waste, significantly reducing the weight of the shipment, thereby reducing costs.

Due to variations in waste consistency, the Filter Box was unable to dewater solid waste that was particularly saturated. To deal with this problem,