

DAWN OF A NEW ERA CONVERTED MARINE TRANSFER STATION



NORTH SHORE MTS

Truck-to-container-to-barge Marine Transfer Station, Flushing, Queens

Average throughput = 2,200 tpd of DSNY waste

Can accept up to 1,000 tpd of commercial putrescible waste

Opened on March 6, 2015

Covanta operates gantry cranes, transports and disposes of waste under 20-year contract with service to Delaware Valley and Niagara



HAMILTON AVENUE MTS

Truck-to-container-to-barge
Marine Transfer Station

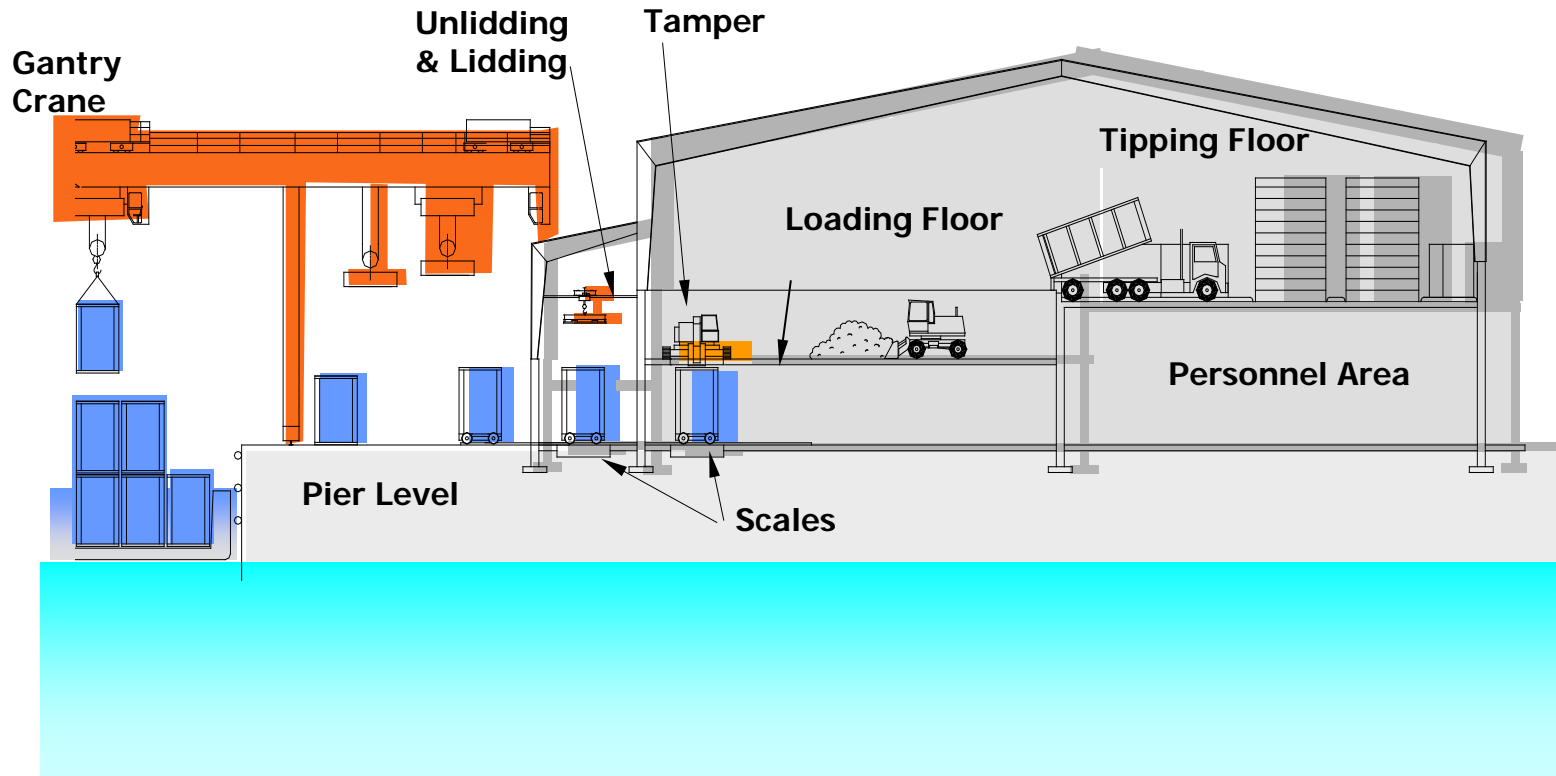
Average throughput =
1,900 tpd of Brooklyn waste

Can accept up to 1600 tpd
of commercial putrescible
waste

Waste Management operates
gantry cranes and provide
transport and disposal
services Upstate NY and
Virginia



NEW MARINE TRANSFER DESIGN



Solid Waste Management Plan (SWMP) for 2006 -2025

- expand recycling programs and develop City processing facility
- replace Fresh Kills and short-term trucking with export thru 20-year contracts
- export now but explore new technology
- Containerize DSNY-managed waste in each Borough
- DSNY trucks travel 2.7 million fewer miles/year and tractor trailers travel 3 million fewer miles/year
- reduces GHG emissions by 192,000 tons/year



THE SWMP IS **GREEN** AND SUSTAINABLE

Infrastructure for DSNY Waste

- Converts 4 MTSs
 - North Shore/Queens 2200 tpd **DONE**
 - Hamilton/Brooklyn 1900 tpd **DONE**
 - E 91st Street/Manhattan 1900 tpd **UNDERWAY 2018**
 - Southwest Brooklyn/950 tpd **UNDERWAY 2018**



THE SWMP IS **GREEN** AND SUSTAINABLE

Addresses environmental issues around waste management:

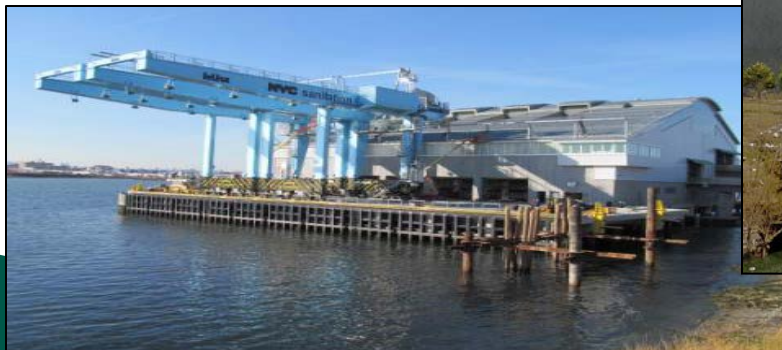
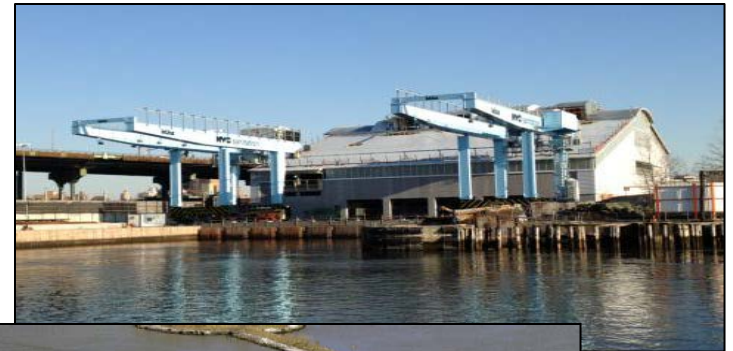
- Uses nearby disposal
 - 20-year contract for Essex Resource Recovery Facility
- Exports by barge and rail - not truck
- Uses existing DSNY sites and transfer station capacity
- Creates new capacity in Manhattan



THE SWMP IS GREEN AND SUSTAINABLE

Marine Transfer Stations environmentally friendly:

- enclosed processing w/negative air pressure
- 3 levels - trucks don't track waste and birds don't see it
- tugs equipped to reduce emissions and noise
- natural odor neutralizer
- sealed, leak-proof containers
- no on-street queuing
- Flood proofing



STATUS OF E 91ST STREET & SOUTHWEST BROOKLYN MTS CONSTRUCTION

E. 91st Street MTS

- Scheduled completion: 2018
- Average throughput: 600 tons per day of Manhattan waste
- Can also accept up to 780 tons per day of commercial putrescible waste
- Covanta to operate cranes and provide container transport/disposal services

Southwest Brooklyn MTS

- Scheduled completion: 2018
- Average throughput: 870 tons per day of Brooklyn waste
- Can also accept up to 828 tons per day of commercial putrescible waste

NORTH SHORE MARINE TRANSFER STATION



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QUESTIONS?

