

MARTHA'S VINEYARD REFUSE DISPOSAL
& RESOURCE RECOVERY DISTRICT

April 2019

Site Improvements of Restructuring Traffic Flow & Residential
Drop- Off at the Edgartown Transfer Station.

Traffic patterns at solid waste facilities must be designed to accommodate a wide variety of vehicles ranging from cars, small pickup trucks to large transfer trailers. As trucks move in and out of the facility, a smooth, logical traffic pattern will keep vehicles moving and enhance the overall safety of the facility.

There are a surprising number of people walking around solid waste transfer station, recycling centers and maintenance facilities. At any given time, there could be employees, contractors, vendors, inspectors and delivery people at the site.

The biggest threat to pedestrians at solid waste sites are vehicles such as trucks, pay loaders and other wheeled vehicles. However, vehicular traffic is not the only threat. Pedestrians must be protected from trips, slips and falls as well as flying objects (especially while at residential drop-off windows).

Traffic flow has carefully and thoughtfully been planned with the design. Designers, architects, traffic engineers, site manager and drivers have collaborated to develop a smooth, efficient and safe traffic pattern for the new site. Public roadways, points of ingress and egress, tarping and un-tarping area, scales buildings, tipping floors, parking lots and utilities have been evaluated as each has an impact on the site's traffic flow.

Critical Factors to Consider

*The number of vehicles that will drive in and out of facility each day. The most important factor to consider is the number of vehicles arriving during peak flow periods so that appropriate queue lanes can be established.

* The type of vehicles that will be use the facility. In most cases, a variety of trucks ranging from pickup trucks to large 18-wheelers will deliver or remove material from the facility. The size of the truck needs to be a consideration to calculate appropriate turning lanes and turnaround areas. Plans should be made to safely accommodate the largest of vehicles.

* A one-way traffic pattern is the most preferred option to limit crossing paths with other vehicles and avoid backing of vehicles whenever possible. Having a separate area for the general public to unload waste and recyclables will keep smaller vehicles away from big trucks, pay loaders. At the same time, larger vehicles will not have to contend with numerous smaller vehicles while on the tipping floor of the transfer station or at the scale.

Other considerations are:

Access for visitors, employees and emergency vehicles so these vehicles do not have to compete on lanes with vehicles using the facility.

Compliance Issues:

- *Proper separation of MASS DEP waste ban material
- *Better processing of packaging material for cost savings with shipping
- * Free work space up to ensure for future compliance requirements.
- *Better separation and packaging will reduce truck traffic going off Island
- *Reduce Boat cost with better recycle and reuse practices.

Landfills are out dated ways to dispose of waste, Transfer Station are converting to Processing Centers to become more efficient.

Reduce, Recycle & Re-use!