Transfer Station Design Notes

Factors that affect waste flow efficiency

1. Number of trailers available to load
   a. Increasing the number of trailers available for loading increases the facility’s effectiveness at transferring the maximum amount of waste possible in a given time period.

2. Types and number of equipment available for loading activity

3. Number of loading bays

4. Daily downtime
   Minor equipment maintenance & cleaning
   Employee break time

5. Monthly downtime
   Major equipment maintenance & cleaning
   Minor structural maintenance, repairs, and cleaning
   Holidays – facility closure or reductions in staff

6. Annual downtime
   Structural repairs to floor, walls, retaining wall, loading opening, sanitary facilities, wastewater/sanitary collection system, stormwater runoff system

7. Maintenance schedules for equipment
   Exhaust fans
   Scales
   Moving equipment – back-hoes, front loaders, trailers, tractors
   Stationary equipment – mounted knuckle-boom loaders, compactors

8. Number and length of work-shifts
   The ability to take waste to a landfill past normal operating hours allows the facility to manage more TPD. This arrangement is considered more secure if the same person owns both the landfill and the transfer station.