

Construction and Demolition Pilot Highlights

2014 Efforts:

- Limited contract executed with Allied Waste to accept recyclable loads of self-haul C&D from STS for sorting and recycling at Black River
- Screening criteria developed for floor staff to recognize loads with high percentage of C&D (loads inspected visually for over 50% C&D content)
- Designated C&D area set aside for material storage at South during the pilot
- 30 loads of C&D were delivered to black river in 40 foot open top trailers (average load weight –13.8 tons, average percent recycleable by visual estimate at Black River – 74%)
- We were unable to get detailed waste sort type of data from Black River transfer station staff

Conclusions:

- C&D rich loads can be identified and the material can be transferred separately from MSW
- Payloads will be relatively modest at 14 tons/load
- Better data is important - actual tons per load diverted from landfill is critical

2015 Efforts through February 9th:

- Additional contract amendment executed with Allied Waste to accept loads for C&D from STS for sorting and recycling at Black River
- Allied staff committed to sorts of smaller loads delivered in drop boxes and weigh the garbage fraction
- Station staff took over load diversion with no assistance visually screening self haul customers and having C&D rich loads tipped in a designated area at South Transfer
- A mix of open top and roll off loads were shipped, 24 loads to date
- 20 open top trailer loads averaged 13 tons/load and visually 70% recycleable (load estimating spreadsheet attached)
- 7 additional open top loads shipped with no estimate recorded
- 9 drop box loads averaged 3.3 tons and 36% recycleable by actual weight of garbage fraction
- As of February 16th 347 tons of mixed C&D for sorting was shipped to Black River in 2015
- 28 more tons are allowed under current contract limits (approximately 7 drop boxes)

Observations:

- Lots of fines (definition – less than 2 inch minus) visible in loads with the lowest recycleable percentage from load photographs.
- No fines visible in highest recycleable percentage loads. (fines are typically not recovered at C&D processing facilities except as alternative daily cover which the City classifies as disposal).

Recommendations:

- Evaluate handling methods to reduce fines (possibly use excavator with clam bucket to load trailers and drop boxes and dispose of the material at the bottom of the pile)
- Ship additional drop box loads for more precise data collection
- Develop final criteria for load selection and handling methods from pilot results.

