

## Construction and Demolition Waste Disposal

### Issue:

Current North 48<sup>th</sup> Street C&D Landfill is projected to reach capacity in less than 20 years (e.g., 2030).

### Major Options:

- 1) Expand on City-owned property
  - a. South of the current N. 48<sup>th</sup> Street Disposal Area
  - b. South of the current Bluff Road MSW Landfill Disposal Area
- 2) Develop New City owned C & D Landfill site at new location in the County
- 3) City to Discontinue Providing C&D Landfill and rely on privately developed C & D Landfill(s)

### Implementation issues/considerations:

- 1) Expand on City-owned property:
  - a. Incorporating land into landfill permit boundary
  - b. Take necessary actions to prevent conflicting development near the C & D landfill boundary
- 2) Develop New City owned C & D Landfill site at new location in the County
  - a. Risk of failure
  - b. Complexity and opposition
  - c. Additional Costs
- 3) City to Discontinue Providing C&D Landfill and rely on privately developed C & D Landfill(s)
  - a. Reduces City control of C & D Disposal
  - b. Complexity and opposition to siting new facility

### Other Considerations:

- 1) None.

## Construction and Demolition Waste Disposal (Excerpts from Technical Paper)

- As further discussed in the technical paper on Construction and Demolition Material Recycling, there are many definitions and material types that are considered C&D waste.
- it was estimated that 75 percent of C&D waste generated in 2011 was diverted from disposal; over the past 10 years the diversion rate for C&D materials has averaged greater than 80 per percent.
- The N 48th Street Construction and Demolition Waste Landfill is projected to reach capacity in 2030.
- Additional C&D waste disposal capacity is anticipated to be required before the end of the planning period. As such, a strategy to establish and ensure additional disposal capacity for C&D waste will likely need to be a component of the Solid Waste Plan 2040.
- Well before the City's North 48th Street Construction and Demolition Waste Landfill reaches capacity it will be necessary to identify a suitable disposal site for landfilling C&D waste generated in the Planning Area.
- Because of the real and perceived issues associated with landfills, it is often quite costly and difficult to establish (site/permit) a new landfill.
- The technology utilized for C&D waste landfills is considered reliable and has been deemed protective of the environment by the NDEQ.
- City policies and regulations make the City responsible for ownership, operation and financing of disposal facilities during the planning period.
- The core issues to be addressed in undertaking a lateral expansion of the existing N. 48th Street Construction and Demolition Waste Landfill or using the soil borrow area on the south end of the Bluff Road site include the following:
  - Permitting requirements and restrictions
  - Local approval by elected officials.
- the City will need to consider the pro-active measures, similar to the considerations addressed in the paper on Municipal Solid Waste Disposal
- a proactive program involving land acquisition, zoning, permitting, and site designation is considered appropriate. Such proactive measure may also include establishment of site buffers and associated infrastructure.