SOUTHEAST • SUD-EST

ECO360

A PROGRAM AND COMPOST UPDATE

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OUTLINE

- Eco360
- Program Updates
- Compost System
- Changes & Challenges
- Looking Ahead
- Discussion & Questions
ECO360

WHO WE ARE AND WHAT WE DO
WHO IS ECO360?

- Solid Waste Division of the Southeast Regional Service Commission
- Serving Southeastern NB
  - 241,400 people
  - 87,400 households
  - 31% of New Brunswickers
WHAT WE DO

- Facility includes landfill, MRF, C&D landfill, composting facility, public drop-off, HHW depot, etc.
- 165,000 metric tonnes of material received on-site per year
- 22,000 metric tonnes of feedstock into the Compost Facility per year
3-STREAM RESIDENTIAL WASTE SORTING

- September 2016
- From “Wet/Dry” to Recyclables, Organics, and Garbage
- Contamination and non-compostable or non-recyclable materials separated into their own waste stream
- Organics = Food & Yard Waste
- Exceptions for pet waste and diapers
ECO360’S COMPOSTING SYSTEM

COMPOST
COMPOSTING PROCEDURE

1. Tipping Floor & Bag Ripper
2. Initial Screening - Trommel & Magnet
3. Silos & Recipe
4. Monitoring & Tilling
5. Refine
6. Outdoor Curing
7. Final Screening
8. Maturation
CHANGES & CHALLENGES FROM 3-STREAM PROGRAM

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- Cleaner feedstock is not without challenges

- Less contamination in Organics stream led to increased feedstock density and moisture content

- As feedstock changes, the compost recipe changes too
CHANGES & CHALLENGES

- Overs reuse
  - Overs from the second screening (1 1/4 inches) are matured and screened to capture as much material as possible.
  - Overs from this and the final screening process are used as alternate daily cover on our landfill.
CHANGES & CHALLENGES

- New screen for cured and matured compost down to 1/4 inch
  - Removes glass
  - Meets CCME Category A standards
  - There are operational challenges to meeting this goal with municipal waste feedstock
POSSIBLE FUTURE IMPROVEMENTS

LOOKING AHEAD
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- Looking for markets and getting guidance from stakeholders on preferred end-uses for our compost.
- Potential elimination of front-end processing in Compost Plant.