Compost in Reclamation
Regional Municipality of Wood Buffalo

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Composting in the RMWB

🌱 Leaf and Yard Waste

- Seasonal Curbside Collection
- Process roughly 7,000 metric tonnes a year

🌱 Municipal Biosolids

- In-vessel composting system at Waste Water Treatment Plant
- Curing of stable biosolids at RMWB Landfill
- Process roughly 25,000 metric tonnes a year, producing about 18,000 metric tonnes of compost (soil amendment).
Biosolid Composting Process Video

https://youtu.be/Uk3tZf4C6DQ
Compost in Reclamation

Benefits of Compost

🌿 Obvious Benefits:

🌿 Enriches soils, help retain moisture and suppress plant diseases and pets.
🌿 Reduces the need for chemical fertilizers.
🌿 Encourages the production of beneficial bacteria and fungi that break down organic matter to create humus.
🌿 Replaces trace minerals and
🌿 Reduces soil erosion.

🌿 Not so Obvious:

🌿 Reduces methane emissions from landfills and lowers your carbon footprint and
🌿 Helps soils hold or sequester carbon dioxide.
Compost in Reclamation
Where in the RMWB?

❖ Fort MacKay Landfill Closure
❖ Janvier Landfill Closure
❖ Conklin Landfill Closure
❖ Old Fort McMurray Landfill
❖ New Cell Construction at the RMWB Landfill
❖ Rehabilitation of the Fire Break boundary around RMWB
❖ Reclamation of the Fire Smart program
❖ New Constructions around the RMWB
Compost in Reclamation Regulations

Compost in Alberta is governed by 2 regulations:
- Tier 1 Soil and Groundwater Remediation Guidelines and
- Canadian Fertilizers Act and Regulations

Federal Regulations:
To make things more simplistic, the two above regulations were combined into one federally regulated guideline.

- CCME Guidelines for Compost Quality in Canada. (Canadian Compost Quality Alliance).
Compost in Reclamation Regulations

Two categories for compost
Category A: No restricted use
Category B: Restricted use (not to be used on vegetable gardens).