

Solid Waste Management

RC Training, Support & Resources Workshop

March 18, 2021



Introduction

A First Nations organization dedicated to serving and supporting First Nations communities who want to re-establish control over their lands, natural resources, and environment through the historic government-to-government *Framework Agreement on First Nation Land Management*.

RC was established by the LAB to undertake its technical responsibilities to FNs, through:



"Supporting First Nations to exercise their Inherent Right to govern their Lands, Environment and Resources."



Stefanie Recollet
Waste Management
Specialist

RC Training, Support & Resources in Solid Waste Objectives

- What is Solid Waste?
- Why is managing Solid Waste important?
- First Nation Issues in Solid Waste
- RC Support Services
- Overview of Solid Waste Funding Program

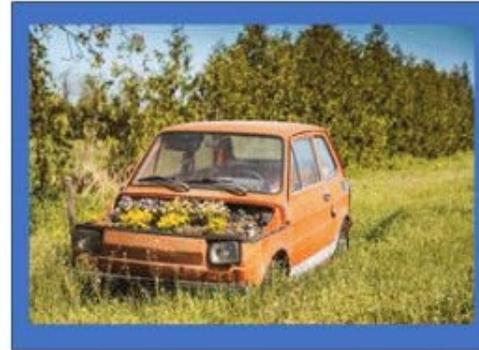
WHAT IS SOLID WASTE



Hazardous Waste



Electronic Waste



Derelict Vehicles



Bulky Waste



Construction, renovation & demolition waste (CRD)



Scrap Tires



Organics



Reusable items & Recycleables

WHY IS MANAGING SOLID WASTE IMPORTANT?



Reduces
Environmental risks,
Climate change, GHG
emissions

Good governance

Cultural
responsibilities –
stewards of the land

Provision of Economic
opportunity –
employment

Source Water
Protection – reducing
surface & ground
water contamination

Limit liabilities for
communities

Corporate & Social
responsibility

Elder/youth mentoring

Makes effective use of
natural resources less
need for landfilling etc.

Integral to the health
and safety of
community

Future generations

Reduced costs over the
long term – minimize
current & future waste
management costs

COMMON FIRST NATION ISSUES IN SOLID WASTE



- Legacy issues
- Illegal dumping on reserve lands
- Landfill sites may not meet modern environmental standards
- Improper containment & disposal ex. HHW
- Leaching of contaminants from landfill into surface water and groundwater
- Stockpiles of divertible waste
- Air quality - pollutants from burning
- Security of community sites
- High cost per capita of building and maintaining infrastructure & running programs
- Lack of training/awareness





ENVIRONMENTAL GOVERNANCE & REGULATORY SUPPORTS:

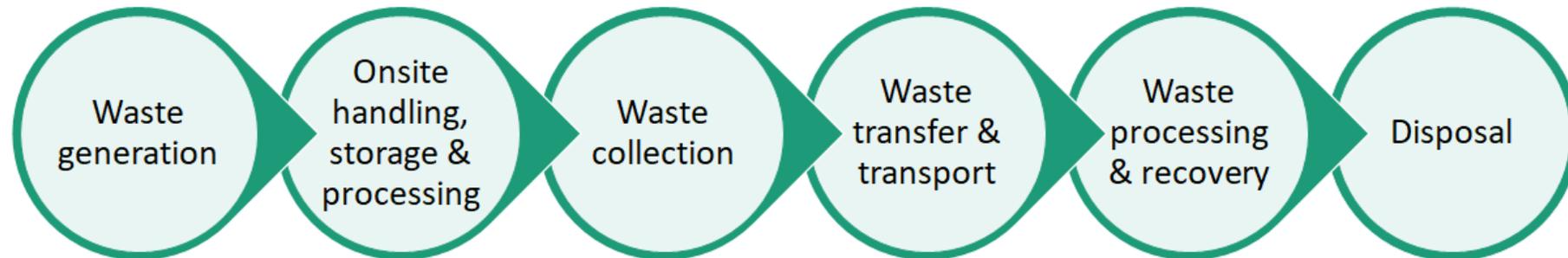
- **Solid Waste Law Development**
 - Waste Diversion Laws
 - Anti-Littering Laws
 - Burning Prohibitions
 - Derelict Vehicle Removal Laws
 - Unsightly Premises
- **Understanding and Navigating Other Jurisdictional Laws and Regulations**
 - Federal
 - Provincial
 - (IRWDR)

RC SOLID WASTE SUPPORT SERVICES



WASTE SYSTEM ANALYSIS & DESIGN

- Management Plans and Feasibility Studies
- Operations & Maintenance Planning
- Compliance & Enforcement Frameworks



WASTE DIVERSION PROGRAMS

- Support with accessing and registering with regional Extended Producer Responsibility (EPR) programs
- Understanding Transitions to Full Producer Responsibility
- Design, development and implementation support for waste diversion initiatives and programs



RC SOLID WASTE SUPPORT SERVICES

TECHNICAL SERVICES

- RC team includes:
 - Solid Waste Specialist
 - Environment & Enforcement Advisors
 - GIS Specialist
 - Registered Land Use Planners
 - TEK Specialist
- Environmental Site Assessment
- Site selection & planning (Environmental Assessment)
- Proximity mapping to MRFs and other disposal sites
- Determining serviceability
- Mapping legacy issues ex. old dumpsites
- Current dumpsites
- Location of monitoring wells





CAPACITY DEVELOPMENT

- Lands Manager/ Lands Department support
- Waste Committee orientation
- Solid Waste Coordinator training & support
- Regional training sessions on solid waste
- An online library of courses and webinars, through our Training, Mentorship & Professional Development (TMPD)





PARTNERSHIP BUILDING

- Community Waste Agreements with municipalities and service providers
 - MTSA Building workshops
 - Create working groups
 - Fund/ host meetings
 - Samples & templates
- Other beneficial partnerships
 - Innovative projects with industry/ Academia



WASTE AWARENESS AND EDUCATION

- Assist in the development of social strategies:
 - Waste Champions or Warriors
 - Green Teams / Environmental Committees
 - Public education
 - Earth Day: Community clean-ups
 - Incentive programs





SOLID WASTE SUPPORT FUNDING PROGRAM OBJECTIVES:

- Community waste management agreements with municipalities and service providers (municipal-type agreements)
- Transfer stations to support off-reserve waste diversion
- Engineered landfills in remote and isolated communities
- Waste reduction and diversion initiatives such as recycling, composting and hazardous waste programs
- Waste operator training
- Coordinating waste diversion
- Waste awareness and education programming
- Landfill management and closing of refuse sites
- Management plans and feasibility studies

RC SOLID WASTE FUNDING PROGRAM



Solid Waste Support Funding Program past projects:

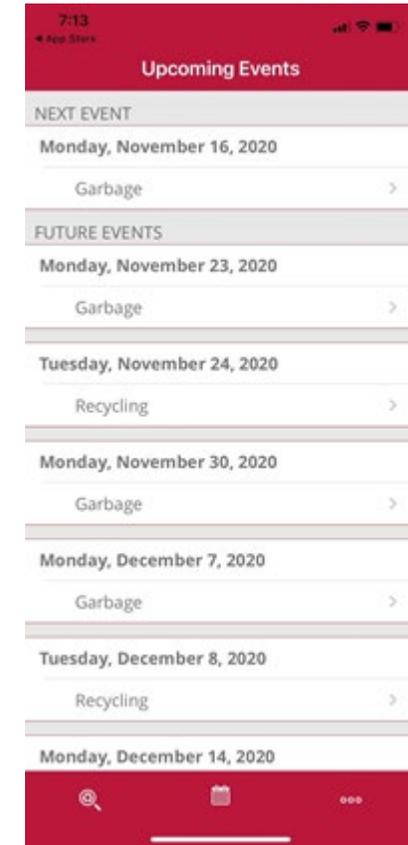
- Solid Waste Management Plans
- Solid Waste Laws
- Landfill / Transfer Station Improvements
- Operations and Maintenance Plans
- Feasibility Studies
- Waste Diversion Programs
- Bins & Equipment Purchase
- Waste Reuse Programs
- Unauthorized Dumpsite Clean Ups





WASTE APP

- Waste apps – ex. Waste wizard or “Collects”
- What materials go in which bin
- Collection calendar with collection dates and types, upcoming events
- Push Notifications (Updates, service cancellations, emergencies, etc.)



RC SOLID WASTE SUPPORT SERVICES



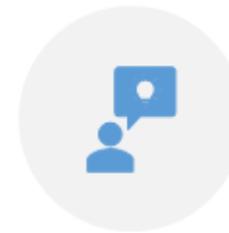
WORKSHOPS



ONLINE COURSES



FUNDING PROGRAM



KNOWLEDGE
REPOSITORY



DIRECT COMMUNITY
SUPPORT

Questions & Discussion



SUMMARY - How to access support

First Nation Requests Support



**RC Support
Technicians
/ Managers**



Land Code Governance

GIS &
Traditional
Knowledge

Communication
& Public
Relations

Environment

Surveys &
Legacy Issues

Land
Registry

Land Use
Planning

Solid Waste
Management

Law
Development &
Enforcement

LGM &
Knowledge
Path Tools