

Solid Waste Management Plan

XYZ First Nation

WORKING DRAFT

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1. Introduction

XYZ First Nation developed this plan to guide practical improvements to solid waste services as the community grows.

1.1 Introduction and Purpose

This plan responds to population and housing growth, rising waste volumes, illegal dumping, construction waste, seasonal tourism, and concerns about land, water, wildlife, and community health. It supports waste diversion by reducing the amount of reusable and recyclable materials sent to landfill.

1.2 Support and Approval

Chief and Council will review the community priorities, waste-audit results, current services, expected growth, costs, environmental risks, and proposed actions. This information will support decisions about timing, staffing, partnerships, and funding.

1.3 Project Team

Team member	Main role
Chief and Council	Set direction, approve the plan, and review progress.
Project Manager	Coordinate the work, budget, partnerships, and reporting.
Public Works	Collect household waste and operate the transfer station.
Land Manager	Coordinate the planning process and provide guidance throughout the plan development
Environment Advisor	Compliance and environmental protection.
Technical advisors	Provide practical expertise and specialized support.
Consultant	Oversee Waste Audits, report writing, community engagement
Community Members	Identify local issues and share ideas/feedback

2. Vision and Goals

2.1 Vision Statement

OUR VISION

XYZ First Nation will be a clean, healthy, and sustainable community where waste is reduced, resources are conserved, and the land is protected for present and future generations.

2.2 Goals and Priorities

- Prepare services and infrastructure for community and housing growth.
- Reduce illegal dumping and protect land, water, wildlife, and community health.
- Divert more organics, recyclables, and construction materials from landfill.
- Make waste programs easy to understand and use.
- Keep services practical, reliable, and affordable.

2.3 Community Input

Community priority	How the plan responds
Composting and gardening	Implement an organics program and evaluate opportunities for local compost use.
Illegal dumping	Improve information, legal disposal options, reporting, and cleanup.
Youth involvement	Include schools and youth in education and community activities.
Convenient services	Strengthen Public Works collection and the recycling drop-off.

3. Existing Waste Management System

The plan builds on services and information already in place.

3.1 Community Profile and Existing Information

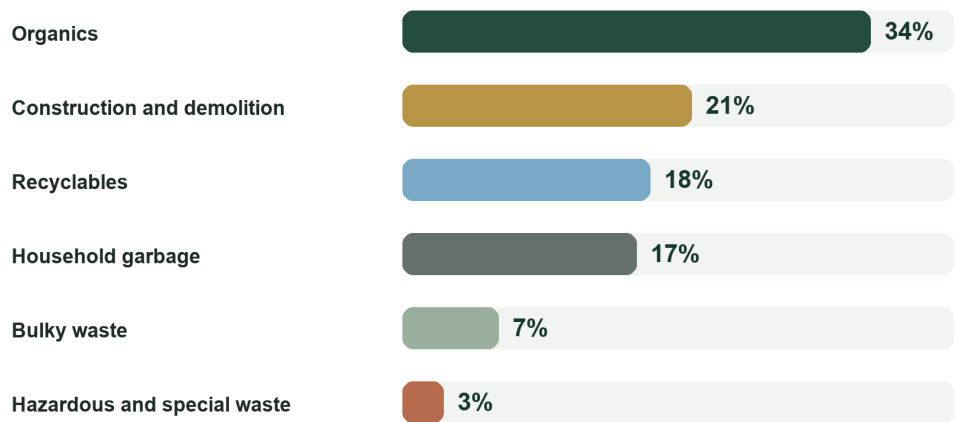
XYZ First Nation has about 980 residents and 347 households. The population may reach 1,080 by 2034, and 20 new homes are planned. Existing information includes a waste audit, land use plan, environmental management plan, community input, and an environmental site assessment. These sources will be updated when needed.

3.2 Current Programs, Services and Infrastructure

Public Works staff collect household garbage and take it to bins at the community transfer station. The First Nation also operates a recycling drop-off. Municipal or contracted services haul residual waste 42 kilometers to a municipal landfill.

The system is supported by two full-time staff plus seasonal help, site roads, containers, signs, storage areas, a small loader or skid-steer, safety supplies, and shared municipal services.

3.3 Waste Audit Findings



Organics, construction and demolition materials, and recyclables account for 73% of the audited waste stream.

The clearest diversion opportunities are organics, construction materials, and recyclables, which together make up 73% of the audited waste.

4. Current Waste Management Issues

The current system works, but several gaps will become more important as the community grows.

4.1 Identified Issues and Community Concerns

- Illegal dumping affects community cleanliness and may harm land, water, and wildlife.
- Organics and recyclables are still being sent to landfill.
- Construction waste is increasing as new housing is built.
- Signs and service information are not always clear.
- Staffing, hauling, and transfer-station capacity will face more pressure over time.

4.2 Gap Analysis Findings

Current issue	Goal	What is missing
Low participation	Easy, active participation	Clear signs, education, and youth programs
High organics and recyclables	More diversion	Composting and stronger recycling
Construction waste	Reuse and safe disposal	A receiving area, rules, and fees
Illegal dumping	Clean, safe community	Reporting, legal options, and coordinated response
Growth pressure	Reliable future service	Phased staffing, equipment, and hauling

5. New Waste Management Plan

5.1 Selected Management Approach

SELECTED APPROACH

Strengthen collection, transfer, recycling, and municipal partnerships, then add proven diversion services in stages.

Improve existing services. Make collection routes, site layout, signs, storage, safety, and tracking clearer and more reliable.

Divert more material. Expand recycling and composting programs. Seek opportunities with municipal or regional partners. **Manage special wastes.** Create a bulky-waste plan and scheduled options for hazardous and special waste.

Manage construction waste fairly. Provide a receiving area and require construction companies to cover disposal costs.

5.2 Fit, Feasibility and Partnerships

This approach is practical because it builds on current staff, infrastructure, and service agreements. New services will begin as small pilots and expand only when costs, staffing, participation, and processing options are workable.

Potential partner	Opportunity
Nearby municipality	Recycling, composting, bulky waste, hauling, and shared planning
Regional programs	Processing, collection events, training, and transport
Builders and forestry	Construction sorting, clean-wood recovery, reuse, and cost recovery

6. Planning for Implementation

Implementation will be phased so that early results guide later spending and service changes.

6.1 Priorities and Responsibilities

Priority	Lead
Improve transfer-station signs, safety, layout, and records	Public Works
Reduce illegal dumping and improve education	Project Manager and Lands
Test recycling, organics, bulky-waste, and construction options	Public Works and partners
Track results, funding, and progress	Project Manager and Finance

6.2 Implementation Timeline

Short term 0–2 years	Medium term 3–5 years	Long term 6–10 years
• Adopt plan • Improve signs and procedures • Set construction fees	• Run diversion pilots • Adjust routes and hauling • Plan for new housing	• Expand successful services • Complete needed upgrades • Review the full plan

6.3 Resources and Funding

TBD

7. Adoption and Compliance

The plan will be approved, followed, checked, and updated through a simple annual cycle.

7.1 Adoption and Safe Operations

Chief and Council will approve the plan and major spending. Staff will follow the Land Code and First Nation policies, site procedures, safety rules, service agreements, and the acceptance rules of landfills and recycling programs.

7.2 Monitoring and Annual Reporting

- Track waste, recycling, hauling trips, costs, and service use.
- Record illegal dumping, safety concerns, complaints, and cleanups.
- Report progress, spending, and next-year priorities to Chief and Council.
- Share a short plain-language update with the community.

7.3 Review, Evaluation and Updates

Activity	Frequency	Method
Site operations and safety	Monthly	Inspection and staff records
Waste, hauling, costs, and diversion	Quarterly	Tickets, invoices, and tracking
Work plan and community feedback	Annually	Progress review and feedback
Waste audit and full plan review	Every 3–5 years	Updated audit and plan review

Annual results will be used to adjust actions, schedules, budgets, and responsibilities. Chief and Council will approve major changes.