NIPISSING FIRST NATION

WASTE MANAGEMENT

2019

First Nations Land Management Resource Centre Solid Waste Management Workshop











Introduction

- > Snapshot of Nipissing First Nation
- > Background
- ➤ Landfill Status, Concerns, Signage, Organization
- > Funding and Expenditures
- ➤ Waste diversion initiatives, programs and events *
- Waste & Recycle Revenue
- Promotion and Education
- Current partnerships with municipal processors and regional and provincial partnership with stewards
- Utilizing audits, reports and statistics for future planning



BACKGROUND

- ➤ Urban reserve located on north shore of Lake Nipissing, 320 kilometres north of Toronto. Land base spans over 30 kilometers between North Bay and the West Nipissing.
- ➤ Total registered population of 2,716 members, with 895 members residing on-reserve and 1,821 residing off-reserve in communities throughout Canada, the United States and Great Britain. (Not including non-status spouses or individuals who reside on land leased from NFN in the communities of Beaucage and Jocko Point.)



VISION, MISSION, VALUES

Vision

Nipissing First Nation will be a well-balanced, healthy, politically and economically independent, culturally strong and self-governing nation.

Healthy

Protect

Empower

Progressive

Economically Independent

Mission Our mission is to continue to protect our Nation's inherent rights and to empower the membership of Nipissing First Nation to work together in a positive, progressive manner to improve well-being and quality of life, to be socially and economically independent, culturally strong, and self-governing.

Values

We will be guided by our seven grandfather/ grandmother teachings.

Respect- Minaadendamowin:

"To honour all creation is to have respect."

Wisdom- Nibwaakaawin:

"To cherish knowledge is to know wisdom."

Love- Zaagi'idiwin

"To know love is to know peace."

Humility- Dabaadendiziwin

"Humility is to know yourself as a sacred part of creation."

Bravery- Aakode'ewin

"Bravery is to face the foe with integrity."

Honesty- Gwayakwaadiziwin

"Honesty in facing a situation is to be brave."

Truth- Debwewin

"Truth is to know all of these things."



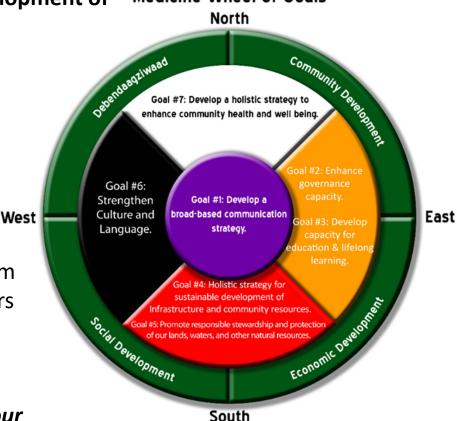
MEDICINE WHEEL OF GOALS

Goal #4: Holistic strategy for sustainable development of Medicine Wheel of Goals infrastructure and community resources.

Goal # 5: Promote responsible stewardship and protection of our lands, waters, and other natural resources

Landfill overseen by Public Works and Facilities
Department, who take advice and guidance from
NFN Chief and Council. Current council members
hold Lands and Bylaw and Natural Resources
committee portfolios.

The idea of recycling was originally built into our world view. It is a traditional value and must be honoured to ensure the healthy survival of Mother earth.



POPULATION CHARACTERISTICS

- Membership Homes;
- ➤ NFN Owned Businesses;
- ➤ Non-NFN Owned Businesses;
- Lessees;
- Rentals;
- ➤ IC&I Waste (Industrial, Commercial, Institutional) Not classified.

Population		On-reserve Membership Homes			Non FN Businesses	Lessees Homes
2,716	895	533	59	40	7	300

Population projection:

2024	2029	2034	2064
1204	1330	1468	2659

Services and Businesses

Membership Services

Duchesnay Daycare Anishinabek Police Services (APS)

Garden Village Daycare Duchesnay Fire Hall

Natural Resources Garden Village Fire Hall

Food Bank Jocko Point Fire Hall

Culture Centre Seniors Complex

Public Works Education Office

Lawrence Commanda Health Centre Water Treatment Plant

Fitness Centre Waste Water Treatment Plant

Garden Village Sportsplex Right Path

Nbisiing Secondary Library

Ojibway Women's Lodge Public Works Garage

On-Reserve Businesses

Healthcare Catering Garage

Gas Stations/ Delivery Forestry

Confectionary Construction Technology

Photography Crafts Quarry

Bed and Breakfast Mobile Wash Law

Smoke Shops

Waste & Diversion

- Current operational Landfill (Membership);
- ➤ NFN Public Works carry out weekly garbage and bi-weekly recycling curbside pickup;
- > Curbside dual stream recycling program launched in June 2012;
- Original agreements with two MRF's (Material Recycling Facility);
- Electronic, Scrap Metal and Tire Recycling available at Landfill*;
- ➤ Annual Events*
- Datacall
- ➤ Recycle & Waste Audits*
- ➤ Capital Plan, Policies, Planning Document*
- ➤ Membership curbside fees eliminated in 2013, Trust Income
- ➤ Proper/Suitable/Workable equipment

Current Landfill Status

- Mukwa Miikan on Nipissing First Nation
- Open Saturday—Tuesday, 9a.m.-5p.m.
- > Controlled gated entrance, signage, attendant, surveillance
- > Cash only/Permits
- ➤ Characterized of household waste, with electronic, tires, scrap metal drop off, and local membership Construction waste.
- > Typewriter method and covers daily, or weekly.
- > 11 Acres
- Operation since 1970;
- Estimated in Asset Conditioning Reporting System (ACRS) 2012 report to be of use until 2022 (Nipissing First Nation Capital Planning Study Draft Report Oct 2016 First Nations Engineering Services LTD.);
- A recent projection estimates the Landfill could be of use until approximately 2032;
- Currently a land area expansion of 4.2 ha is calculated to be required over the 20-year planning period.



Partnerships











Revenue Generating Partnerships

- >Tire Recycling
- > Electronics Recycling
- ➤ Scrap Metal

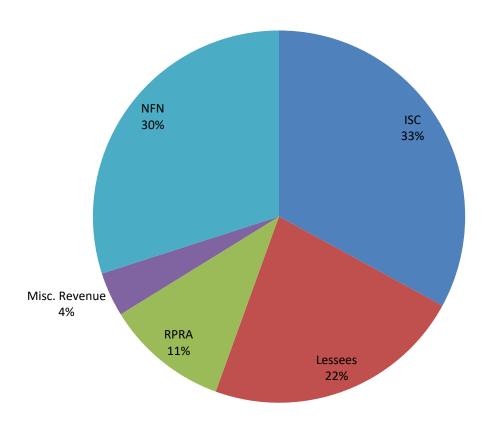


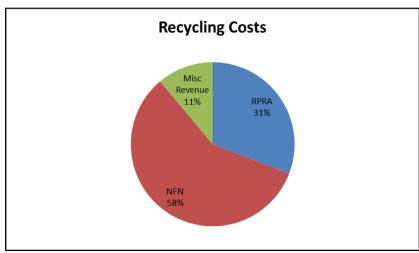




Generate revenue where possible, and offer diversion education and programs year round.

O&M Revenue - Waste & Recycling 2019-20





Diversion Opportunities Office, Residents

- > Used tire collection
- Electronic and electrical equipment (WEEE)
- ➤ Household Hazardous Waste HHW
- > Scrap metal
- ➤ In Office Ink recycle
- ➤ In Office used battery collection
- ➤ Re-Use Centre at Landfill

- ➤ Goods Exchange
- Clean Up Days
- ➤ Public Works Appreciation Day (educational)
- Beautification Crew Community Clean Up
- ➤ Waste Reduction Week
- ➤ Roll Off toter cart giveaway in 2016
- ➤ 2 Blue Bins provided to each household, free and at cost.

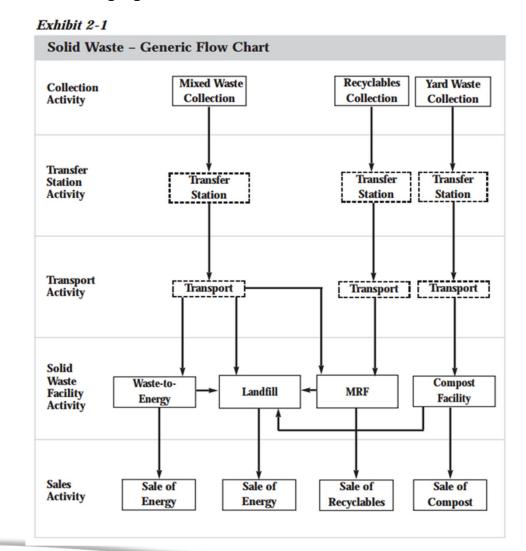
Waste Diversion



Waste diversion is a vital component of not only effective recycling but also reducing the amount of waste actually produced. The ultimate goal of waste diversion is to divert wastes from actually making their way into landfills.

Diversion Revenue Opportunities

- ➤ Waste-to Energy Sale
- ➤ MRF Sale of Recyclables
- Compost
- Fee implications for Lessees,FN Businesses, Non-FNBusinesses
- > Mulch
- > Remediation sites
- ➤ Weigh scale
- ➤ Higher Tipping fees
- > Creative revenue options
- > Transport



Communication Methods

The community of Nipissing offers a range of waste diversion services to its members including the following:

- > Social Media
- > E-Signs
- > Pamphlets
- Magnetic Calendar
- Events (Spring Clean up, Goods Exchange Days, Public Works Appreciation Day)
- Recycle Truck Magnets
- > Website
- > Flyers
- Promotional Items
- > Administration Events
- Notices
- Word of Mouth*



Place your Recycling Bins at the curb by 7:30a.m., bi-weekly for Recycling Pick Up

Recycling and
Garbage calendar
available upon
request or at
www.nfn.ca



The idea of recycling was originally built into our world view. It is a traditional value and must be honoured to ensure the healthy survival of Mother earth.



Aanji-Aapichitooyang Recycling

> Nipissing First Nation 36 Semo Road Garden Village, ON P2B 3K2

Office: (705) 753-2050 Fax: (705) 753-0207 Public Works: (705) 753-4167

www.nfn.ca

In partnership with:



Rethink your relationship with fires











NFN RECYCLES



Blue Bins 🖾



Each household is provided with two blue bins, one for **CONTAINERS** and one for FIBRES. Bi-weekly, curb side pick up occurs in addition to garbage day. Please place your blue bins by the curb so they get picked up.

Landfill Drop off



- · Electronic recycling
- Tire recycling
- Scrap metal
- Re-Use Centre

Use of site is free for Registered NFN Band Members residing on reserve. *Fees for Freon apply*

Proof of residency required

Household Hazardous



Waste

Residents of Nipissing First Nation can dispose of household hazardous waste at the depot at 112 Patton Street in North Bay. Free of Charge!

Full list of items accepted at: nfn.ca



CONTAINERS

Items	Accepted	Not Accepted	
	Look for these symbols:	DO NOT INCLUDE: Bubble wrap, Styrofoam, lawn furniture, garden hose, plastic toys.	
Glass Bottles & Jars	Coloured glass is acceptable. It is not necessary to remove labels. Remove and recycle metal lidsdiscard plastic lids. Rinse.	DO NOT INCLUDE: Light bulbs, window glass, mirror glass, drinking glass or ceramics (plates, mugs etc).	
Aluminum, Tin & Steel cans	All aluminum, tin and steel cans are accepted (including empty dry paint cans, Remove lids and caps.)	DO NOT INCLUDE: Coat hangers, kitchen utensils, pots and /or pans.	
Aluminum Foil	ONLY clean items are accepted. Place plates and trays loosely in the box. Roll foil sheets into small balls about the size of your palm.	DO NOT INCLUDE: Paper-backed foil (lids from take-out food) and foil laminates (potato chip bags).	

FIBRES / PAPER

Items	Accepted	Not Accepted	
Newspaper	All newspaper and inserts accepted.	Please ensure to remove plastic bags.	
Mixed Paper	Phone books, junk mail,magazines, catalogs, office paper and envelopes, paper egg trays, paper bags, paper towel cores.	DO NOT INCLUDE: Waxed or foiled- coated paper, potato chip bags. all cord and hot take-out cups (ex: McDonalds/Tim hortons).	
Box Board	Cereal, pasta containers, laundry and shoe boxes. Please remove liners and flatten boxes.	DO NOT INCLUDE: Styrofoam.	
Cardboard	Cardboard is places with newspaper, mixed paper and box board. Please break down and flatten to measure 3' X 3'.	Boxed that are not broken down will not be accepted.	

JOIN THE GREEN SIDE

Rinse & Clean your containers!

Make sure to RINSE / CLEAN your containers.

Unrinsed containers, or unaccepted items in the blue bin can damage equipment at the Recycling facility, or contaminate the rest of the bin leaving the item, and others, unrecyclable.

ACCEPTABLE CONTAINERS will have a symbol somewhere on the packaging:











NFN Uses a 2-Box Sorting System. One for CONTAINERS and one for PAPERS. Do not mix the papers and containers.





BLUE BOX BLUNDERS



DO NOT PUT THESE **ITEMS IN BIN**



- Grocery store plastic bags
- Any type of plastic that has NO number for recycling (Trash bags, * ziplock bags, potatoe chip bags, 6 * pack plastic, straws)
- Any laminated or resealable plastic bags (including ziplocks, cheese plastic)
- Soiled Paper, fast food wrappers, * paper plates or ice cream boxes
- Fast Food drinking cups (eg. Tim Horton's)

- **Cereal Liners**
- Cellophane (Plastic wrap)
- **Butchers** paper
- **Shower liners**
- **Bubble wrap**
- **Coffee Pods**
- Foil gift Wrap
- Syrofoam
- Candy Wrappers
- Hard plastics such as dishes, toys, laundry baskets, hoses and tupperware



For More info: Shayla Brunet, Facilities Assistant (705) 753-2050 ext. 1285 shaylab@nfn.ca

MUKWA MIIKAN LANDFILL HOURS Saturday—Tuesday 9a.m.-5p.m.

PROOF OF RESIDENCY REQUIRED

(Status Card, driver's license, utility bills) UPON ENTRY.

fees for Freon appliance drop-off apply Non-member residents are required to pay tipping fees, plus Freon fees.









Drop Off

Recycle your electronics, tires (no rims), scrap metal for free at the land fill.

NFN Public Works is overseen by the Facilities Manager, and takes direction from Chief and Council to implement the strategic plan and goals.

Gwajing Nokiiwin Public Works Department



45 Semo Road Garden Village, ON P2B 3K3

Office: (705) 753-2050 Phone: (705) 753-4167 Fax: (705) 753-6703









PUBLIC WORKS



Road Maintenance



Each year, we develop an annual work plan, which includes bringing the roads to MTO standards, upgrading, and maintaining infrastructure. Summer maintenance includes grading, patching, roadside ditching, brushing, tree removal, dust control and upgrades. Winter maintenance includes routine and scheduled snow removal and sanding. Senior Snowplowing services are also available to

Waste & Recycling

eligible seniors.



Garbage Collection: Mondays for all areas with the exception of holidays, then pick-up will occur a day later.

Recycling Collection: Each household is provided with two blue bins, one for CONTAINERS and one for FIBERS. Bi-Weekly curb side collection in addition to garbage day. Please place your blue bins by the curb side so they get picked up. Annual garbage/recycling calendars available upon request or at nfn.ca.

Replacement bins available at cost

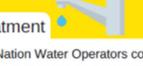
Goods Exchange Day/Clean-up week

Goods Exchange Day usually takes place the first week of May. Spring Clean-up week is an annual event that occurs the second week in May. Notices and information will be posted in the newsletter. Call us if you're not sure what's acceptable to leave at the road side.

Garbage Toter Carts

48 and 96 gallon Toter Carts are available for purchase.

Water Treatment

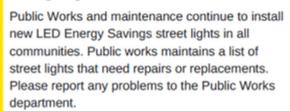


Nipissing First Nation Water Operators conduct regular testing, maintenance and upgrading of all NFN water systems. Our operators continue to receive training to ensure that our systems meet government standards.

Notice: Waterline installations require a 2 week notice to arrange for a written estimate and to ensure that the installation can be scheduled at the earliest convenience.

ALIEN COMPA

Street Lights & Signage



Public Works installs all community signage. We incorporate the anishnaabe language in signage to ensure Nipissing First Nations values, world views and understanding of the land is displayed.

Yellek Dock



The Yellek community boat launch and floating dock are installed each spring and removed each fall.

911 Signs

All NFN homeowners are required to purchase a 911 sign, so emergency vehicles are able to locate the residence if needed.

The Lands Department can confirm your 911 address.

Public Works installs all signs. It is important that the sign is in clear view with no landscaping or items to obstruct it.

Signs can be purchased at our finance desk for \$83.48

Culvert Work



The Public Works department maintains culverts that provide drainage for roadways. We also install culverts to individual driveways at the cost of the homeowner. Contact us to get a written estimate.

Homeowners may choose to install their own culverts, but must follow NFN culverts installation policy available at nfn.ca.

Permits



NFN Residents are required to obtain sand, gravel and dumping permits in relation to:

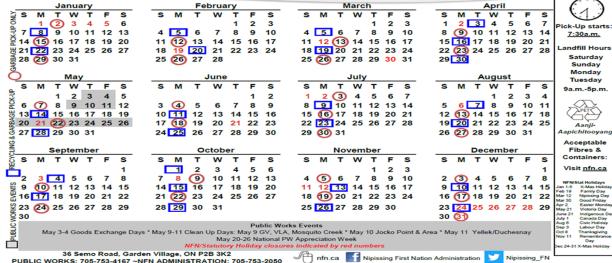
Yellek Railbed Dumping, Sand, and sandpits at Mooze Miikan, and Riding Stable Road. Permits are issued once the individual has provided the proper information to Public Works and met the requirements necessary. Permits such as site prep, tree and brush removal, along with sand and gravel removal will be inspected by the Public Works Department to ensure the work is done properly and up to standards. Permits are required by law and will result in a fine if not approved. A permit helps the property value of your land and ensures the safety of you and the public.

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RECYCLING & GARBAGE SCHEDULE

2018





February March **GARBAGE & RECYCLING** SMTWTFS SMTWTF S S M T W T F SSMTWTFS 1 2 2 1 2 3 4 5 6 1 2 3 4 5 1 **7** 8 9 10 11 12 3 **4** 5 6 7 8 9 3 4 5 6 7 8 9 8 9 10 11 12 13 7 13 14 15 16 17 18 19 10 11 12 13 14 15 16 10 11 12 13 14 15 16 14 15 16 17 18 19 20 20 21 22 23 24 25 26 17 18 19 20 12 22 23 17 18 19 20 21 22 23 21 22 23 24 25 26 27 27 28 29 30 31 24 25 26 27 28 24 **25** 26 27 28 29 ³/₃₁ 28 29 30 NFN / Stat Holidays SMTWTFS SMTWTFS SMTWTFS SMTWTFS Jan 1-5 2 3 4 5 6 July 1 1 2 3 4 1 1 2 3 1 Feb 18 5 6 7 8 9 10 11 4 5 6 7 8 7 8 9 10 11 12 13 4 5 6 7 8 9 10 12 13 14 15 16 17 18 10 11 12 13 14 15 14 **15** 16 17 18 19 20 11 12 13 14 15 16 17 May 20 16 17 18 19 20 21 22 21 22 23 24 25 26 27 18 19 20 21 22 23 24 19 20 21 22 23 24 25 Apr 22 25 26 27 28 29 30 31 23 **24** 25 26 27 28 ²⁹/₃₀ 28 29 30 31 26 27 28 29 30 31 Mukwa Miikan Landfill Hours: TWTFS SMTWTFS SMTWTFS SMTWTFS 5 6 1 2 3 4 5 1 2 3 4 5 6 7 6 7 8 9 10 11 12 3 4 5 6 7 8 9 8 9 10 11 12 13 14 10 11 12 13 14 13 14 15 16 17 18 19 10 11 12 13 14 15 16 15 16 17 18 19 20 21 15 16 17 18 19 20 21 22 23 24 25 26 27 28 20 21 22 23 24 25 26 17 18 19 20 21 22 23 24 25 26 27 28 Goods Exchange Days May 2 - 3 24 25 26 27 28 29 30 29 30 31 27 28 29 30 31 29 30 Clean Up Days (Band Members Only)
May 8 (GV & Mosquito Creek), May 9 (Meadowside/ Nipissing_FN Jocko Point & Area), May 10 (Yellek & Duchesnay) Garhage Nipissing First Nation Special Events (Goods Exchange Day & Membership Household Clean Up Days) Recycle & Garbage



ional Public Works Appreciation Week May 19-25

2019

X-Mas Holidays June 21

Aug 5

Sept 2

Oct 14

NEN/Statutory Holidays indicated by red numbers

Special Events

Pick up starts:

7:30 AM

Indigenous Day

Civic holiday

Labour day

Dec 23-31 X-Mas Holidays

Thanksgiving

Remembrance Day

Aanji-

Aapichitooyang

Accepted Fibers &

Containers: Visit nfn.ca

Canada day

Family Day

Nipissing Day

Good Friday

Victoria Day

Easter Monday

Saturday - Tuesday 9AM - 5PM

Landfill Holidays may differ.

Signage

CAUTION
ENTER SITE
AT YOUR
OWN RISK

24"

24" **SHINGLES** 6" **BATTERIES ELECTRONICS TIRES DUMP HERE**

TREES/BRUSH

Signage





FREE DROP OFF FOR RESIDENTS

HOUSEHOLD HAZARDOUS WASTE

Unused household products containing corrosive, toxic, flammable, or reactive ingredients are considered household hazardous waste (HHW). Do not place these items in your garbage or blue bins. Improper disposal of HHW can lead to the hazardous chemicals ending up in the NFN Landfill, and waterways. Please bring your HHW to the North Bay Hazardous Waste Depot to limit danger to you, your family, the collection staff, the environment, and our water! Remains of products such as cleaners, oils and pesticides contain hazardous ingredients require special handling for disposal. NFN Residents can dispose of their household hazardous waste at the depot located at 112 Patton Street (Behind Train Station) in North Bay—Free of Charge!

North Bay Household Hazardous Waste Depot

Now offering paint exchange!

Open year-round - Wednesday to Saturday

from 8 a.m. to 6 p.m.

Aerosol cans	Antifreeze	Asphalt tar	Auto Fluids
Batteries	Brake fluid	Bug & tar removers	Car wax & polish
Degreasers	Disinfectant	Drain cleaner	Dye
Engine flushes	Flea collars	Floor stripper	Fungicide
Furniture Polish	Gasoline	Glues	Grease
Heating oil	Herbicides	Household cleansers	Insecticides
Jewelry cleaner	Kerosene	Laundry stain remover	Lighter fluid
Lubes	Lye or caustic soda	Metal polish	Mothballs
Motor oils	Nail polish	Oil filters	Oven cleaner
Paint	Paint & brush cleaner	Paint thinners	Paint removers
Pesticides	Photo chemicals	Poisons	Propane tanks
Radiator flushes	Rock salt	Roofing tar	Rust-proofers
Solvents	Spot remover/Cleaning fluid	Stain	Swimming pool chlorine
Syringe	Turpentine	Varnish	Wood Preservative
Helium Tanks	Empty Propane Tanks	DO NOT BRING: Ammunition, explosives, radioactive waste, PCB's, or unidentified products to the depot or Landfill	

All materials should be left in original container to allow easy identification of contents. Do not mix products together. Waste should be sealed and labelled. Bring all HHW in a cardboard box or rigid container. Keep used batteries in a plastic bag, coffee can or plastic container. Load vehicle just before leaving to minimize buildup of fumes.





Membership Households Only

Wed, May 9 Garden Village, VLA, Mosquito Creek

Thurs, May 10 Jocko Point, Beaucage

Fri, May 11 Yellek, Duchesnay, Art's Lane

Place items on the curbside by 7:30a.m. on the scheduled pick up date.

Acceptable Items

Bulky items
Small Furniture
Metal Items
Household items (bagged or bundled safely)

Unacceptable Items

Construction Material
Recyclables
Propane Tanks
Railroad ties
Freon Appliances
Household Hazardous Waste

Please place electronics and tires (no rims) in a separate pile.

Any items deemed unsafe or unacceptable will not be picked up by NFN Public Works, and will be member's responsibility to remove.

Regular recycling/garbage pickup occurs Mon, May 14.

More info: Shayla Brunet (705) 753-2050 ext. 1285 shaylab@nfn.ca



SPRING MAN SPRING MAN SPRING MAN UP DAYS 2019

MEMBERSHIP HOUSEHOLDS ONLY

Wed, May 8 Garden Village, VLA, Mosquito Creek

Thurs, May 9 Jocko Point, Beaucage

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Household items
(Bagged & Bundled safely)

Unacceptable Items Construction Material

Recyclables
Propane Tanks
Railroad ties
Freon Appliances
Household Hazardous Waste

Place tires (no rims) and electronics in a separate pile.

Unsafe or unacceptable items will not be picked up, and will be member's responsibility to remove. Regular Recycling/Garbage pickup occurs Mon, May 13.

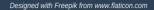
More info: Shayla Brunet, Facilities Clerk (705) 753-2050 ext. 1285. shaylab@nfn.ca











Goods Exchange Days

May 3 & 4, 2018 All NFN Communities

Place unwanted, but re-usable items at the roadside after 8a.m.

}



Small Appliances Sporting Goods



Furniture

Toys Doors Windows



As always, please drive carefully and watch for pedestrians in their quest for curbside bargains.

A free and enjoyable way to keep good re-usable items and materials out of the landfill.

Safely bag and gather remaining items for regular garbage pick up on Monday, May 7.

Prevent misunderstandings by ensuring items not intended for free pick up such as children's bikes, toys, and gardening tools are not left near the curb on Goods Exchange Days.

> More Info: Shayla Brunet, Facilities Clerk (705) 753-2050 ext. 1285 shaylab@nfn.ca



Goods Exchange Days



May 2 & 3, 2019 All NFN Communities



Place unwanted, but re-usable items at the roadside after 8a.m.

FREE STUFF !

Ensure items not intended for free pick up are not left near the curb on Goods Exchange Days. You can put up a FREE! sign up as well.

Small Appliances Furniture Clothing **Books Sporting Goods** Toys Doors Windows

As always, please drive carefully and watch for pedestrians in their quest for curbside bargains. A free and enjoyable way to keep good re-usable items and materials out of the landfill.

Safely bag and gather remaining items for regular garbage pick up on Monday, May 6.

> More Info: Shayla Brunet, Facilities Clerk (705) 753-2050 ext. 1285 shaylab@nfn.ca



What's Next

- > Expansion of Landfill (Topographical Survey)
- Complete Waste Planning Document
- ➤ Complete Source Water Protection Plan (SWPP)
- > Recent Draft Waste Management Plan
- ➤ Landfill Characterization Study (2005)
- Capital Plan FNES (2016)
- > Utilize Tribal Council, OFNTSC interpret Audit results
- > Compile and review historical Datacall Stats
- Create policy or bylaw
- > Create Communications Plans for Staff, Departments Business, Membership, Visitors

What's Next

Review

- Capital Plan
- Cost of Diversion Programs
- Cost of Waste Program
- Legislative Changes

Analyze

- Audits
- What's working, what's not
- Costs vs Population growth and needs

Action

- New Technologies
- New Programs
- Services
- Policies, Planning documents, Communication Plan



SHAYLA BRUNET

FACILITIES CLERK
NIPISSING FIRST NATION
36 SEMO ROAD
GARDEN VILLAGE, ON
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