

Waste Diversion Strategy

October 3, 2012 Cheryl Recollet, Environmental Coordinator









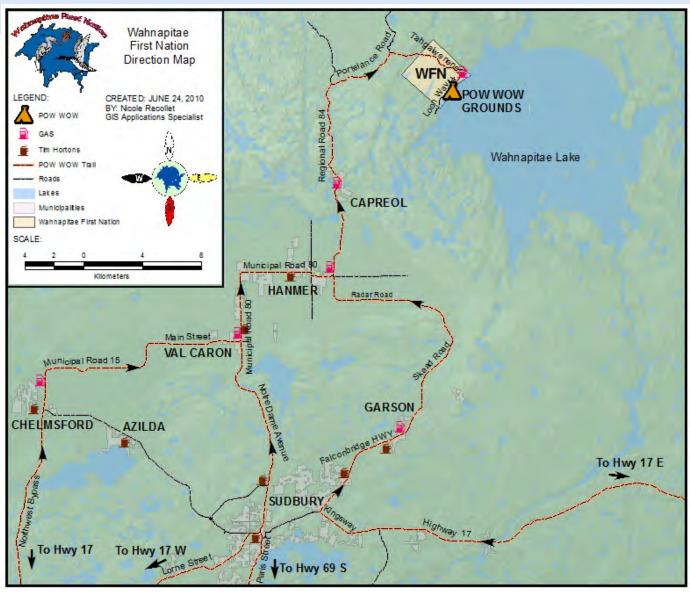


Presentation Outline

- 1. Background
- 2. 2010: Getting Started
- 3. 2011: Developing the Strategy
- 4. 2012: Implement and Monitor the Strategy



Who are we?





Background

- Pre 2010 no recycling, everyone have a key to the landfill. FREE FOR ALL!!!
- Council wanted recycling services for the community, charged the task to the Sustainable Development Department.
- Reviewed a few options (contractor, depot, WFN).
- Decided on curbside pickup for recycling and garbage to be done by WFN.



Timeline

		2010		
CGS Recycling Acceptance Agreement	Recycling trailer	First Curbside Recycling Run	OES	WDO Data Call



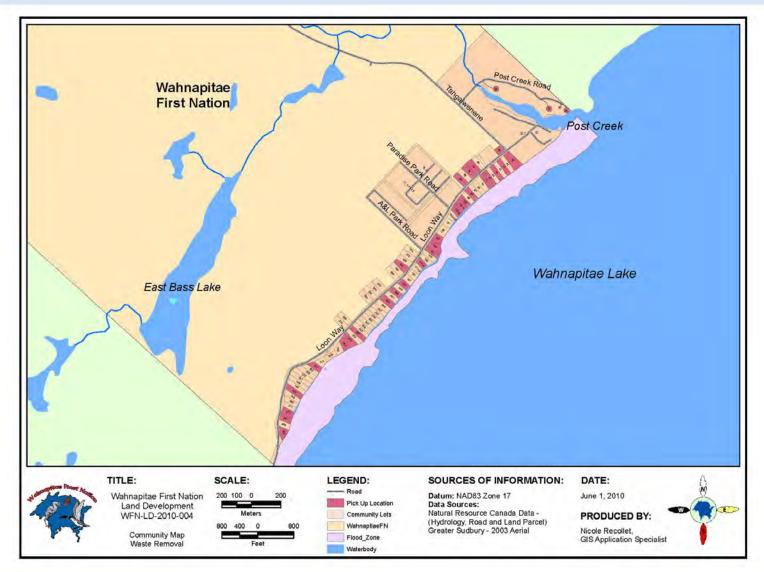


First Recycling Run: June 1, 2010





Weekly Curbside Collection





WDO Data Call

- OFNTSC hosted a FN Solid Waste Diversion & Blue Box Best Practice Recycling Planning Workshop in February 23/24 2011.
- Filled out the data call in 2011, we only had data for half a year. Received approximately \$4000.00 in 2012 from WDO.
- Identified best practices that could be implemented in WFN that would increase funding from WDO.
- Developed Waste Diversion Strategy to include some of the best practices.



Ontario Electronics Stewardship







Timeline





Waste Diversion Strategy

2011

Wahnapitae First Nation Waste Diversion Strategy v1.0



Cheryl Recollet
Environmental Coordinator
Wahnapitae First Nation
4/14/2011

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5.0 Waste Diversion Goals
GOAL 1: Increase the diversion of waste
OBJECTIVE: Divert 30% of Waste through the Blue Box program by 2015
GOAL 2: Increase participation in recycling
OBJECTIVE: Offer Service to all Residents and Increase participation rate to 80% by 2015
GOAL 3: 80% capture of recylable materials
OBJECTIVE: Perform a Waste AUdit and Implement a clear Bag Program by 201511
GOAL 4: Extend the life of the land fill
OBJECTIVE: Add 5 years to the Land Fill by Ensuring People are REcycling
GOAL 5: Expand Services to Include Campgrounds and Businesses
OBJECTIVE: Divert 50% of Waste Generated by on-reserve campgrounds and businesses through the Waste
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9.0 Budget
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Waste Diversion Goals



Increase the diversion of waste



Increase participation in recycling



80% capture of recyclable materials



Extend the life of the landfill



Expand services to include campgrounds and business



Waste Diversion Technicians

- Hiring of two (2) Waste
 Diversion Technicians.
- Responsible for the curbside collection of garbage, recycling and now composting (June 2012).
- Responsible for monitoring access to landfill site and stump dump site.





Weekly Set Out Evaluations: Recycling Log Sheets

RECYCLING LOG SHEET DATE:

Recycling	#911	Lot#	Recycling	#911	Lot#
	26	Lot#1a		221	Lot #33
	78	Lot#1b		227	Lot #34
	98	Lot#1e		237	Lot #36
	35	Lot#2		241	Lot #37
	47	Lot #4		245	Lot #38
	57	Lot #6		250	Lot #39
	63	Lot #7		267	Lot #43
-	67	Lot #8		273	Lot #44
	71	Lot#9		277	Lot #45
	93	Lot#13		287	Lot #46
	105	Lot #15		317	Lot #50
	113A	Lot #16		353	Lot #57
	113B	Lot#17		365	Lot #59
	123A	Lot # 18		377	Lot #61
	147	Lot#21		381	Lot #62
	153	Lot #22		395	Lot#64
	161	Lot #23		36	Lot #67
	177A	Lot #26		74	Lot #80
_	201	Lot #30		78	Lot #81
	209	Lot #32		90	Lot#83
		B1		178	Lot #85
		B2		190	Lot #87
		B3			



Weekly Set Out Evaluations: Garbage Log Sheets

DATE: Authorized:	
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Garbage Bags:	#911	Lot#	1		Garbage Bags:	#911	Lot#	
	26	Lot#1a				221	Lot #33	
	78	Lot#1b				227	Lot #34	
	98	Lot#1e				237	Lot #36	
	35	Lot #2		- 6		241	Lot #37	
	47	Lot#4				245	Lot #38	
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	177A	Lot #26				74	Lot #80	
	201	Lot #30				78	Lot #81	
	209	Lot #32				90	Lot #83	
						178	Lot #85	
						190	Lot #87	



WFN Recycling Guide

Wahnapitae First Nation's Recycling Guide

Accycling docun't just and at the curb. that's just the beginning.

At one Sind, WM did not have any recycling, now that we do, we need to ensure we do it most. That is to single stream serting system, all recyclibles go in the blue box together and the recycling control handles all the serting. However, it is up to us to follow some simple rules. One of the rules is to place your regulable, stoms loosely in your blue-box. This allows our Waste Diversion Technicisms (Faul and 53) to loave behind non-recyclable items so that you recognize which can and cannot be recycled. Loose items also allow the flexypting Control to process only recyclable items in an officient manner. The system returns loose, not bagged material. Since box materials go through a some of high speed conveyor boths where magnets, gravity and people reduced send of loose material into specific estigations which are then bundled and shipped to buyors around the world!

Every time you place loose materials in your recycling container you accomplish at least three good deeds for the community.

- 1. You are divorting wests from our landfill and extending its life.
- 2. You are ensuring materials such as aluminum and paper that have many lives can be used and reused to their fullest.
- 3. You are helping to save energy

We have included a sticker that you can place on your garbage can to help you remember what goes in the blue box. We will also be placing small stickers on any items you place in the blue box that ARE NOT recyclable or ARE NOT ready to be recycled (e.g., not inseed out). These items will be left behind so you know that they are not recyclable or that they require further

WPM has hired two Weste Diversion Technicisms to complete the curtiside recycling and gattage pickup as well as to monitor the landfull. The WPM Weste Diversion Technicisms have developed MECYCLING INCOMPLY AWARDS in an effect to recognize the commitment and dedication of the WPM committy to recycling and weste diversion programs! We are watching who is recycling and who is doing GREAT at (d) Look out for our awards presentation at the 2012 Open House on May 3, 2012. If you have any questions or concern, please talk to 65 or Paul.

Chi Milawetch Saul MacDonald & Ed Roque.

BLUE BOX ITEMS:

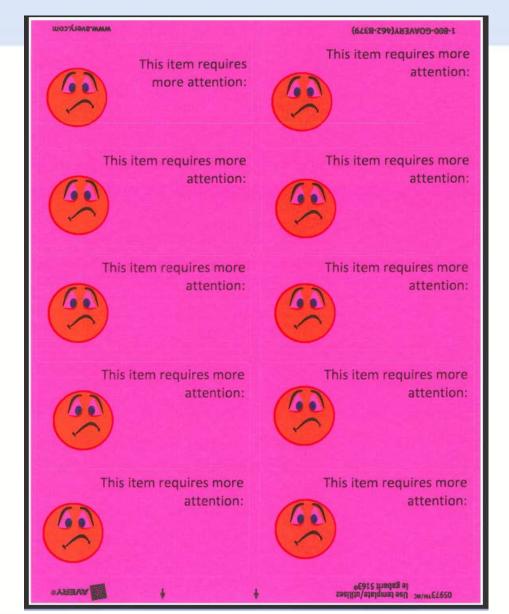


Corrugated Cardboard and Pizza Boxes	o Matten to a 30" x 30" size o Momeyo all plastics. o Do not include waxed cardboard.
Box Board	Coreal Shoc Colorgent Cracker Teothyrate Teothyrate Teothyrate Moment plants rolls and flatten.
Newspaper, Magazines, Catalogues & Junk Mail	o Novestors o instru o Novel-Link Mail o Magazinos & Calalogues o Telephone Social o Hed and Soft Cover Socia.
Household Paper:	o Wolfing Jointon pages o Brydinges o Greding cards o Non-foil gift wasp o Non-foil gift wasp o Non-foil gift wasp
Plastic Bottles, Jugs, Tubs, Pails, Trays, and Foam Packaging:	 Look for the A1, 42, A4, At and A5 recycling symbol to determine if the backaging to recipiable. Evaluate motor oil jugs, form poenuts, form insulation. Minac Ak clientics.
Plastic Bags	Grecory, broad, produce and freson vegetable bags. Ony cleaning bags. Outer wrapper for toilet paper and other paper products. Memory paper recopts and place bags in one tied bag.
Clear and Coloured Glass Bottles and Jars	o Make sure to nose all glass
Milk & Juice Containers/Cartons	Aufor boxes Milk carbon, packaged mulk and soy boverages Wind packs Minor packs Minor packs Minor packs
Egg Cartons	o Paper and foam ogg cartons.
Aluminum & Steel Cans, Aluminum Foil, Pie Plates and Trays	o Pood and bovorage cans such as soda cans and vogetable cans. o RINSE.
Empty Paint Cans and Aerosol Cans	p traunc peint cen is empty and dry. o Remove lids from cens and recycle separately.
Cardboard Cans	o Romovo plastic scal off cardiboard cans and nosc

Items that CANN	OT be Recycled!	
Plastic	o Chip Eago and supportable bags o Styrelbam poertuis o Superbam poertuis o bubble wasp o Chinkly slastic such a pasta packages o Meter all configures	
Glass	Streken glass di Windows/minors Light bulbs Pottery Committe dishes and oup	
Paper/Fibre	a Contai (creation box UNICTS a Pleater food ways a Disposable paper pups b Word or wood create a Word or wood create b Solaton flour/sugar and pet food bags	
Metal	o food contaminated foil o Coat hanges o Fota and parts	



WFN Recycling Reminders:





WFN Recycling Reminders:





WFN Recycling Magnet/Sticker

Before you toss it check if that item can be placed in the blue

box:



Corrugated cardboard and pizza boxes (flatten and remove plastics)



Cereal/tissue box, cardboard tubes



Newspapers, magazines, catalogues, inserts, telephone books and books



Household paper



Clear and coloured glass jars/bottles



Milk and juice containers/cartons



Plastic bottles, jugs, tubs, pails, trays and foam packaging



Plastic bags



Aluminum and steel cans, aluminum foil, pie plates and trays



Cardboard cans



Empty paint cans and aerosol cans (empty and dry, lids removed)



Egg cartons



Ontario Tire Stewardship











Scrap Metal





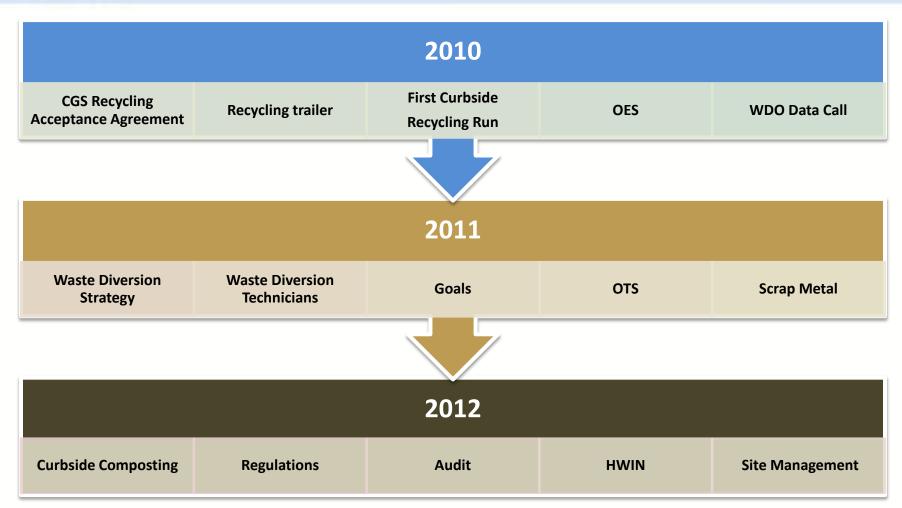








Timeline





WFN Composting Guide

Wahnapitae First Nation's Composting Guide

*

Composting doesn't just and at the curb ... that's just the beginning.

Organics food straps and food solled paper products are a RESQUACE. NOT A WASTER

At one time, MEN off not have any comparing initiatives, now that we do, we need to excure we do it RIGHT. Thanks to the large interest of many community members during the 2012 Open House, all neddents of Wakhnapitae First Nation will be provided a grean cert and the him collector in order to promote compacting House are it is up to us to follow some simple rules. One of the most important rules is to shoure that bio degradable taggrane used. This allows our Waste Diversion Tachnicians (Paul and Egit to simply add of the compositable material to the briganic compositing good shusted at the landfill and not that be to act to the non-degradable participation.

Every time you place organizmaterial in your greencart you accomplish at least three good deads for the community:

- 1. You are diverting waste from our landfill and extending its life.
- 2. You are ensuring materials such as aluminum and paper that have many lives can be used and reused to their fullest.
- 2. You are helping to save energy!

Lots of people wonder about the benefits of composting. Here area few examples:

- 1. It's free and renewable:
- 2. Improves and replenishes sols.
- 2. Protects accountems enhances germination of trees and fuels plant growth.
- 4. (Canvironmentally friends)

We have included a stoken that yourse place on your garbage can to help you remember what goes in the green card in order to ensure that there are no contembrating materials in our composing gad we will also be placing small stokens on your green card when non compositable items are found during curtaids collection. Households that exceed 2 stokens on their green card will be provided a written notice and will be asked to meet with our Waste Diversion Technicians to clarify what can be composited.

WFN has hired two Waste Divendon Technicians to complete the curtoside composting plotup on Tuesday and Thursday of every usels. Community Membars will also have the appointunity to personally organized properties gludge to a starting operating house. The WRN Waste Divendor it Technicians have developed a compasting goal at the learnful to promote personal gardens, flower beds also Community members will have the opportunity to use the composting material at the landful site. For personal use. We salk that you pleased or technicians for sasterance. If you have any questions or concerns please talk to Ed or Paul.

Chi Milgraniah Paul Ma abanaid & Ed Roque.

What Goes IM



tems that CAM go in the GREEN CART! a Fruits and Vegetables a Meat and fish products/donesa Coaled grease and fet. a Sautes and graffy. a Deiny products a Breads and grains. a Baked goods and ingredients. a Paste and rice. a liggs and eggsheld. a Nuts and shells. a Coffee grounds/filters/teé bees. Non-Recy dable Paper Products o Muffin paper cups. o Freezer and waxed paper. a Tissues, napkins and paper towels. a Paper plates, cups, takeout containers. a Waxed cardboard. a fee cream cartons. a Sugar/flour/potato/popcorn bags. a Household dients.

Items that CANNOT be Composted!

What stays OUT!

- o Diapers
- Feminine hygiene products.
- o Pet waste and litter.
- o Plastic Bags and/or plastics of any kind.
- o Cigarette butts.
- o Vacuum bags.
- o Leaf and yard trimmings.
- Sawdust and ashes.
- Household hazardous waste.



Waste Diversion Regulations



Wahnapitae First Nation Waste Diversion Regulations

Adopted by Band Council Motion: # _______
At the Chief and Council Meeting of: _______

1.0 INTRODUCTION

- 1.1 Wahnapitae First Nation implemented Waste Disposal and Landfill Site Regulations on February 4, 2008 through Band Council Motion # 03/10. These regulations have been integrated into these WFN Waste Diversion Regulations.
- 1.2 Wahnapitae First Nation recognizes the importance of environmental stewardship and believes that proper environmental management and mitigation are integral to the success of the community.
- 1.3 Wahnapitae First Nation has developed a Waste Diversion Strategy to guide the effective disposal of generated waste in the spirit of environmental stewardship and in hopes of extending the life of the landfill.
- 1.4 Wahnapitae First Nation regulates waste diversion activities within the Wahnapitae First Nation including the collection, removal and disposal of household waste, recyclables, and organic waste within the Wahnapitae First Nation in order to support goals and objectives identified within the Waste Diversion Strateev.
- 1.5 Wahnapitae First Nation has entered into a Recyclables' Acceptance Agreement with the City of Greater Sudbury and must abide by all recycling regulations associated with the City of Greater Sudbury and identifies cost per tonnage.
- 1.6 No individual shall throw, place or deposit any solid waste on any private property, or any Band owned property within the Wahnapitae First Nation, unless designated as at specific landfill sites. Illegal dumping will be subject to enforcement through these regulations.

2.0 DEFINITIONS

Recyclables: Waste materials that can be diverted to a Recycling Centre, includes; Corrugated cardboard and pizza boxes, Box board, Newspaper, magazines, catalogues and junk mail, Household Paper, Plastics, (#1, #2, #4, #5, and #6), Plastic Boag, Clear and coloured glass bottles and jars, Milk and juice containers/cartons, Egg cartons, Aluminum and steel cans, aluminum foil, ple plates and trays, Empty paint cans and aerosol cans, and cardboard cans.

Household Waste: Includes garbage, liquid and semi-liquid substances, land-fill and scrap of all kinds and combination of any of the foregoing that are not commercial waste, recyclable, or compostable

Kitchen Organics: Includes; all food items such as fruits and vegetables, meats and fish products/bones, cooled grease and fats, sauces and gravy, dairy products, breads and grains, baked goods and ingredients, pasta and rice, eggs and eggshells, nuts and shells, coffee grounds/filters/tea bags, as well as Non-Recyclable Paper Products including muffin paper cups, freeze and waxed paper, tissues/napkins/paper towels, paper plates/cyclables/takeout containers, waxed cardboard, ice cream cartons, sugar/ flour/potato/popcom bags, as well as other compostable materials such as household plants and soil.

Curbside Collection: Collection, handling, transportation, storage or transfer of household waste and/or kitchen organics collected at residential curbsides by the Wahnapitae First Nation's Waste Diversion Technicians

Residential: Establishments such as homes or apartment buildings, registered with Wahnapitae First
Nation

Business/Commercial: Means waste from:

- a) gg enterprise or activity involving warehousing, storage or industrial, manufacturing or commercial processes or operations
- b) research or an experimental enterprise or activity
- c) gn enterprise or activity to which clause (a) would apply if the enterprise or activity were carried on for profit,
- d) clinics, that provide medical diagnosis or treatment,
- e) schools, laboratories or hospitals, or
- f) a facility or vehicle owned or operated by a reserve

Business Owner: Any Wahnapitae First Nation Band Member who owns and operates an onreserve commercial entity.

3.0 RESIDENTIAL SERVICES

- 3.1 Wahnapitae First Nation will provide a system for the weekly curb-side collection of recycling, kitchen organics and house hold waste to all residents.
- 3.2 The Wahnapitae First Nation will provide monitored access to the Wahnapitae First Nation landfill site during designated hours in order to enhance environmental monitoring and protection initiatives.



Commercial Punch Card

WEN 20	2 Commerc	tel Landtil	Per Reg Pu	nc h Card S	50.00
1	2		14	- 5	- 6
7	10	9	10	11	12
13	-14	15	16	17	-18
19	20	21	22	23	24
25	25	27	20	25	20
91 (4)	22	- 22	24	25	25
27	20.	20	40	41	4
G	C 144	45	45	(47	-
10	50	51	52	53	54
-55	- 56	57	58	.59	60
-51	62	63	64	54	66
57	68	59	70	71	72
72	74	75	76	77	78
79	80	81	92	93	94
- 84	11,85	86	<u> </u>		89
90	91	92	93	94	95
96	97	90	99	100	FREE
FREE	FREE	FREE	FREE	FREE	FREE

П	
	na Pana
•	na yane
	ALCO STATE OF THE
4	grated Individual:
	One punch candisal lowed per campground owner. Each number on the punch card entitles the owner to 1 basis.
	household gardage.
ı	This punch card only be used by the business a wear or the
ı	Individual designated on this punch card.
ı	This punch cand can be used until a tin umbers have been
ı	punched (there is no exp by date).
	The punch cand must be shown to the landfill attendant at
ı	EVERY visit to be granted access to the landfills be.
ı	If this punch cand is lest or sto lan, the business owner must
l	purchase a heig card at full price.
	There will be a \$25,00 tilpping fee on truckloads (1/2 tonne
	truck) coming to the bindfill full of visite that is not hou select
	the state of the s
	WATER.



- Averaged our set out evaluations for one month, to give us weekly average.
- 32 households generate 72 bags of garbage weekly. 2.25/bags per household/week
- Aim to capture 25% of 72 bags = 18 bags
- Randomly choose 18 bags after we picked up all the curbside waste.



WFN Waste Audit 2012











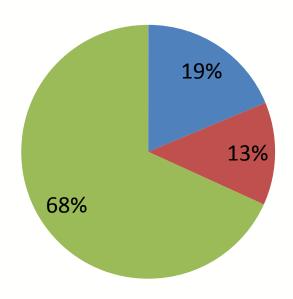


WFN Waste Audit Results

Number of Bags	•	Compostables Weight	Waste	TOTAL WEIGHT
18	30 Lbs	21 Lbs	109.5 Lbs	160.5 Lbs

Waste Streams







Special Waste





Special Waste

Before







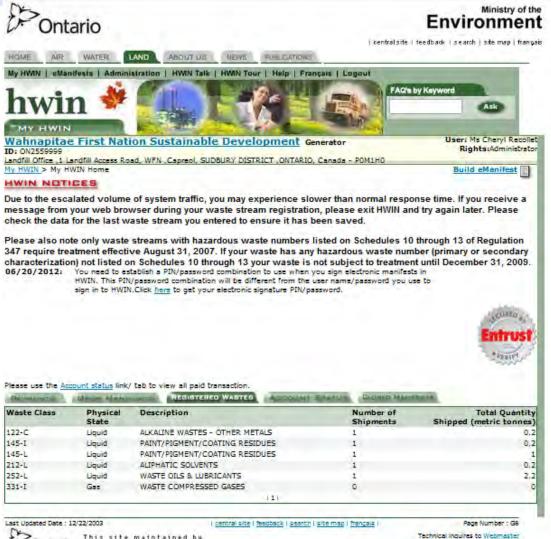
After





Hazardous Waste Information Network (HWIN)

@ Queen's Printer for Ontario, 20



ntario the Government of Ontario

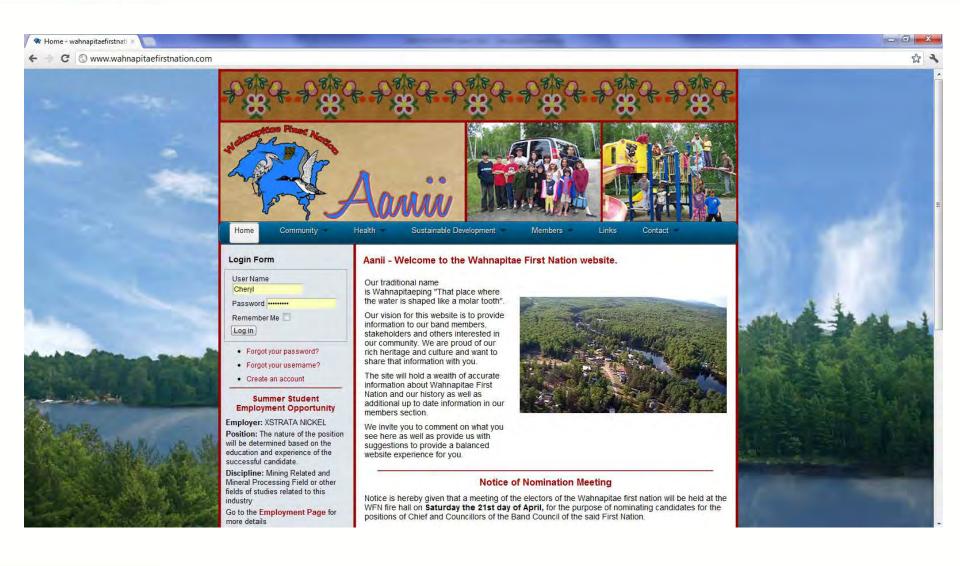


Signage





Check us out on the web! www.wahnapitaefirstnation.com





Questions? Comments

For more information:

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Wahnapitae First Nation

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