



Florida Department of Environmental Protection

Recycling Coordinator Training RFT Conference

June 11, 2017

Suzanne Boroff

(850)245-8933

suzanne.boroff@dep.state.fl.us





Recovered Materials

**WHAT
ARE
RECOVERED MATERIALS
?**



Recovered Materials

F.S 403.703 Definitions

7) "***Recovered materials***" means ***metal, paper, glass, plastic, textile, or rubber*** materials that have known recycling potential, can be feasibly recycled, and have been diverted and source separated or have been removed from the solid waste stream for sale, use, or reuse as raw materials, whether or not the materials require subsequent processing or separation from each other, but does not include materials destined for any use that constitutes disposal. Recovered materials as described above are not solid waste.



Recovered Materials

Paper

Plastic

Metal

Glass

Textiles

Rubber (other than tires)



Recovered Materials

**WHO
IS
A
RECOVERED MATERIALS
DEALER
?**



Recovered Materials

- **62-722.200 Definitions.**
- (2) “Certified person” means any person who handles, purchases, receives, recovers, sells or is an end user of 600 tons or more per year of recovered materials, reports to, and is certified by the Department pursuant to this chapter. A person whose activities are limited strictly to the transportation of recovered materials is not considered to be a person who handles, purchases, receives, recovers, sells or is an end user of recovered materials.



Recovered Materials

- **62-722.200 Definitions**
- (7) ***"Nonexempt Generator"*** means:
 - (a) any person who produces recovered materials; and
 - (b) annually transfers an amount in excess of 600 tons of recovered materials to any combination of in-state persons who make a product utilizing recovered materials as a raw material in place of, or in addition to, virgin raw materials, ***or to persons out of this state.***



Recovered Materials

And.....

**RECOVERS & SHIPS
OVER
600 TONS
PER
YEAR**



Recovered Materials

"CERTIFIED TONS"

**TONS REPORTED BY
CERTIFIED RECOVERED
MATERIALS DEALERS**



Recovered Materials

"NON-CERTIFIED TONS"

**ADDITIONAL TONS REPORTED TO YOU
BY NON-CERTIFIED RECOVERED
MATERIALS DEALERS
(USUALLY UNDER 600 TONS)**



Recovered Materials

RECOVERED MATERIALS DEALERS REPORT:

- ANNUALLY BY FEB 1ST TO THE STATE AND COUNTIES OF ORIGIN



Construction & Demolition

What is C&D?

- (17) ***"Construction and demolition debris"*** means discarded materials generally considered to be not water-soluble and nonhazardous in nature, **including, but not limited to, steel, glass, brick, concrete, asphalt roofing material, pipe, gypsum wallboard, and lumber**, from the construction or destruction of a structure as part of a construction or demolition project or from the renovation of a structure,



Construction & Demolition

and including rocks, soils, tree remains, trees, and other vegetative matter that normally results from land clearing or land development operations for a construction project, including such debris from construction of structures at a site remote from the construction or demolition project site.



Construction & Demolition

Mixing of construction and demolition debris with other types of solid waste will cause it to be classified as other than construction and demolition debris.

The term also includes :

Clean cardboard, paper, plastic, wood, and metal scraps from a construction project;



Construction & Demolition

WHO REPORTS C&D TONNAGES TO THE STATE?

DEP PERMITTED Facilities

- C&D and CLASS III Landfills
- C&D and CLASS III Transfer Stations
- C&D and CLASS III MRF's



Construction & Demolition

- **(33) "*Clean debris*"** means any solid waste which is virtually inert and which is not a pollution threat to groundwater or surface waters and is not a fire hazard and which is likely to retain its physical and chemical structure under expected conditions of disposal or use. The term includes uncontaminated concrete, including embedded pipe or steel, brick, glass, ceramics, and other wastes designated by the department.



Construction & Demolition

***CLEAN DEBRIS* processors are not required to be permitted and, therefore, do not report to DEP.**

These are tonnages you must seek out on your own.



Construction & Demolition

What Counts?

Basically all C&D that has been processes and shipped for reuse or sale.



Construction & Demolition

WHAT DOES NOT COUNT?

- Unprocessed C&D
- Asphalt, concrete or other byproducts from road building or maintenance that are directly reused as part of an associated works project



Processed Fuel Facilities

- **Stone Container, Panama City**
- **Okeelanta Sugar, South Bay**
- **Osceola Farms Sugar, Pahokee**
- **Forestry Resources, Ft. Myers**
- **Buck-Eye Cellulose, Perry**
- **Kenetech (Royal Oak Charcoal), Ocala**



Florida WTE Facilities

- **Bay County Resource Recovery**
- **Broward County N. Resource Recovery (closed)**
- **Broward County S. Resource Recovery**
- **Dade County Resource Recovery**
- **Hillsborough County SWE Recovery**
- **Lake County Resource Recovery**
- **Lee County SW Resource Recovery**
- **McKay Bay Refuse to Energy Project**
- **North County Regional Resource Recovery**
- **Pasco County SW Resource Recovery**
- **Pinellas County Resource Recovery**
- **Ridge Generating Station***



The Workbook

THE ANNUAL REPORT WORKBOOK



The Workbook

Miscellaneous Tab

- Batteries, paint, used cooking oil, used motor oil, e-waste, etc.
- Total goes in uncertified tab and in miscellaneous category in ReTRAC



The Workbook

Non-certified Tab

- Commodities match those categories in noncertified column of ReTRAC Annual report
- Paper, plastic, metals, yardtrash, processed fuel, miscellaneous total, white goods, etc.



The Workbook

Landfill Tons Tab

- Account for all landfilled tons generated in your county
- Certified C&D Landfilled tons
- County owned Class I and Class III
- Tons transferred out of state
- Tons transferred out of county – Oculus.
- Private facilities located in county – Oculus.



The Workbook

- Discussion
- Where to find additional uncertified tons
- Concrete Processors
- Food Banks
- Big Box Stores
- County HHW Collection



OCULUS

FDEP database to look up landfill annual reports.

https://fldeploc.dep.state.fl.us/www_wacs/Reports/SW_Facility_Inventory_srch.asp

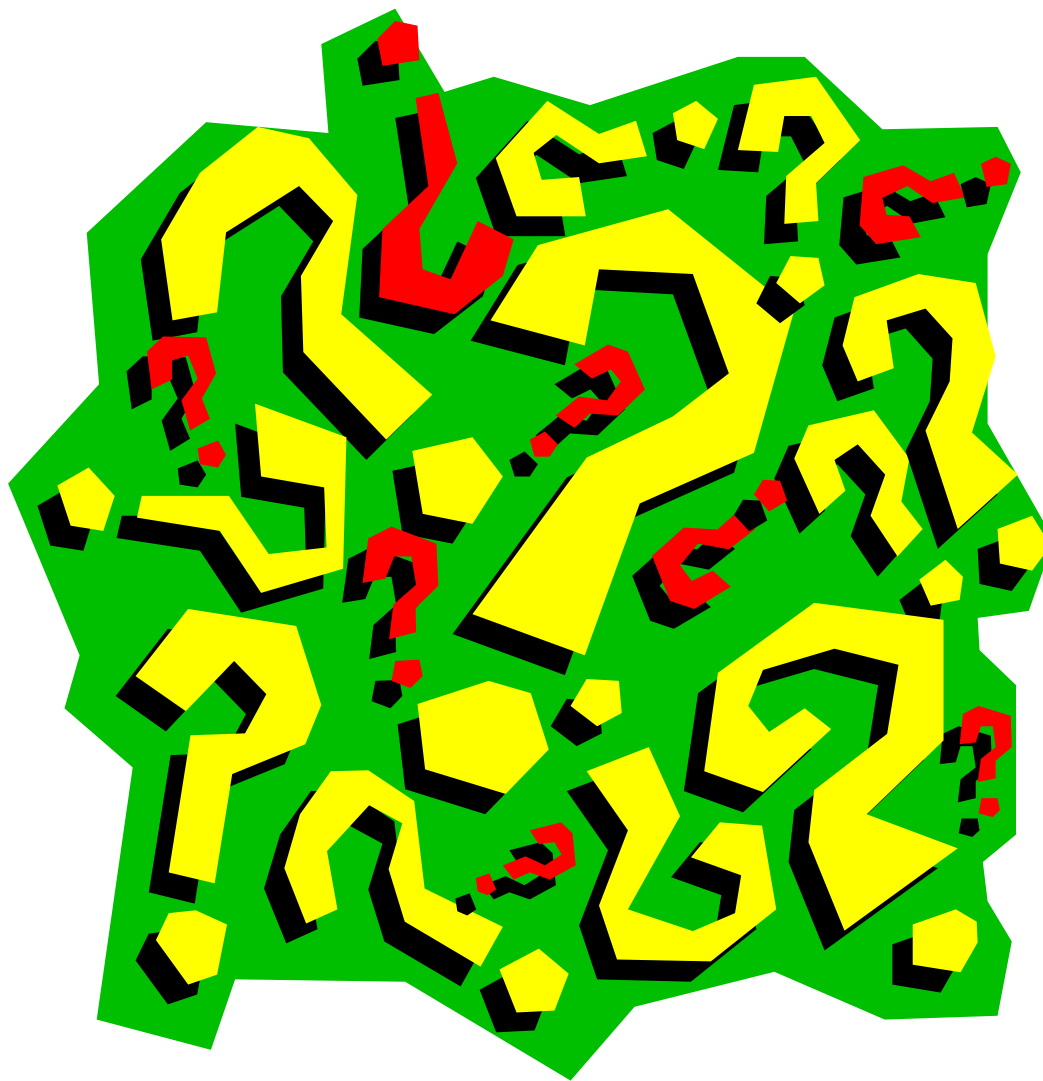


OCULUS

- Select County
- Select Class Type
- Select Facility ID, Facility Name.....
- Select Facility Address
- Submit
- When you locate facility, under Detail Links, select “D”
- Select PERIODIC SITE REPORTS 2016 SOLID WASTE QUANTITY REPORT view
- Select Public Oculus Login
- Select File Type - Open



Questions?





Annual Solid Waste Management Report

Completing the Solid Waste Management Report

Shannan Reynolds

Environmental Consultant

850-245-8716

Shannan.Reynolds@dep.state.fl.us



Reynolds County Solid Waste Management Data

- Certified Recycled Tons – **69,822**
 - Recovered Materials Reports
 - Construction and Demolition Debris Reports
- Non-certified Recycled Tons – **315,845**
- Landfilled Tons – **384,401**
 - Does include tonnage receiving landfill gas recycling credits.
 - Does NOT include landfill cover.
- Combusted Tons – **18,180**
 - Waste-To-Energy (WTE) Input
 - Renewable Energy Facility Input (Other than WTE)
- Stockpiled Tons – **500**
 - Will not count in MSW Collected Total for the current year; can add to the following year's report.



Certified Recycled Tons: Reynolds County Solid Waste Management Data

“Mock” Recovered Materials Report

Recycled Materials	Total Tons
Newspaper	6,000
Glass	4,000
Aluminum Cans	500
Plastic Bottles	100
Steel Cans	500
Corrugated Paper	15,000
Office Paper	1,500
Other Plastics	2,000
Ferrous Metals	18,500
Non Ferrous Metals	11,500
Other Paper	2,500
Textiles	400
Total Recovered Materials Recycled	25,300



Certified Recycled Tons: Reynolds County Solid Waste Management Data

“Mock” Construction and Demolition Debris Report

Recycled Debris	Total Tons
Asphalt	1000
Fines Screen Materials	122
MSW Concrete	3,000
Wood	1,000
Land Clearing Debris	1,300
Drywall	500
Shingles/Roofing	400
Total Tons of C and D Debris Recycled	7,322
Total Tons of C and D Debris Disposed	97,913
Total Tons of MSW C and D Collected	105,235



Non-certified Recycled Tons: Reynolds County Solid Waste Management Data

“Mock” Non-certified MSW Recycled

Recycled Materials	Total Tons
White Goods	150
C&D	47,716
Ferrous Metals	2,656
Yard Trash	46,919
Office Paper	1
Corrugated Cardboard	730
Non-Ferrous Metals	41
Other Plastics	1,059
Food	54,341
Textiles	2,878
Other Paper	763
Miscellaneous	57,479
Tires	85
Process Fuel	101,027
Total MSW Non-Certified Recycled	315,845



WasteCalc Entry:

Reynolds County Solid Waste Management Data



1	Select the Data Year	2016
2	Select Your County	Manatee
3	Enter County Population	350000
4	Enter MSW Landfilled (in tons)	384408
5	Enter MSW Combusted (if any) (in tons)	18180
Enter your most recent recycling data (in tons)		
6	Newspapers	6000
7	Glass	4000
8	Aluminum Cans	500
9	Plastic Bottles	100
10	Steel Cans	500
11	C&D Debris	55038
12	Yard Trash	46919
13	White Goods	150
14	Tires	85
15	Other Plastics	3059
16	Ferrous Metals	21156
17	Nonferrous Metals	11541
18	Corrugated Boxes	15730
19	Office Paper	1501
20	Other Paper	3263
21	Food Waste	54341
22	Textiles	3278
23	Miscellaneous	57479

← Enter the “net”
combusted tons

Print Submit



WasteCalc Results:

Reynolds County Solid Waste Management Data



Reynolds County, 2016

An estimate of the percent composition by weight of municipal solid waste collected/generated in County A in 2013 is provided below.

Material	% of Total MSW Collected
Newspaper	2.50%
Glass	2.00%
Aluminum Cans	0.50%
Plastic Bottles	1.00%
Steel Cans	0.60%
C&D Debris	19.60%
Yard Trash	8.00%
White Goods	0.70%
Tires	0.80%
Other Plastics	4.00%
Ferrous Metals	3.90%
Nonferrous Metals	1.90%
Corrugated Boxes	6.30%
Office Paper	1.40%
Other Paper	6.10%
Food Waste	7.90%
Textiles	1.50%
Miscellaneous	31.20%
Total	100.0%



WasteCalc Results:

Reynolds County Solid Waste Management Data

How to Use Percentages Generated by WasteCalc

Collected tons for each material can be estimated by multiplying the % of the Total MSW Collected by the Total MSW Collected.

Materials	Percent of Total MSW Collected	Total MSW Generated	Results
Newspapers	2.50%	788,248	19,706
Glass	2.00%	788,248	15,765
Aluminum Cans	0.50%	788,248	3,941
Plastic Bottles	1.00%	788,248	7,882
Steel Cans	0.60%	788,248	4,729
C&D Debris	19.60%	788,248	154,497
Yard Trash	8.00%	788,248	63,060
White Goods	0.70%	788,248	5,518
Tires	0.80%	788,248	6,306
Other Plastics	4.00%	788,248	31,530
Ferrous Metals	3.90%	788,248	30,742
Nonferrous Metals	1.90%	788,248	14,977
Corrugated Boxes	6.30%	788,248	49,660
Office Paper	1.40%	788,248	11,035
Other Paper	6.10%	788,248	48,083
Food Waste	7.90%	788,248	62,272
Textiles	1.50%	788,248	11,824
Miscellaneous	31.20%	788,248	245,933
Total	100.00%		788,248

NOTE: Results from a recent waste composition study can be used instead of WasteCalc.



Re-TRAC Data Entry: Municipal Solid Waste Collection and Recycling Section

County Population [a]: *

350,000

Enter population provided by DEP

WasteCalc or Waste Composition Estimates

DEP Certified Recycled Tons

DEP Approved Non-Certified Tons

Municipal Solid Waste Collection and Recycling

MATERIAL	COLLECTED TONS	DEP CERTIFIED #S	NON-CERTIFIED RECYCLING #S	RECYCLED TONS (DEP CERTIFIED #S + NON-CERTIFIED RECYCLING #S) [b]
Newspaper [c]	19,706	6,000		6,000
Glass [c]	15,765	4,000		4,000
Aluminum Cans [c]	3,941	500		500
Plastic Bottles [c]	7,882	100		100
Steel Cans [c]	4,729	500		500
Corrugated Paper [c]	49,660	15,000	730	15,730
Office Paper [c]	11,035	1,500	1	1,501
Yard Trash [c]	63,848		46,919	46,919
Other Plastics	31,530	2,000	1,059	3,059
Ferrous Metals [d]	30,742	18,500	2,656	21,156
White Goods [d]	5,518		150	150
Non Ferrous Metal	14,977	11,500	41	11,541
Other Paper	48,083	2,500	763	3,263
Textiles	11,824	400	2,878	3,278
C&D Debris	154,497	7,322	47,716	55,038
Food	62,272		54,341	54,341
Miscellaneous	245,933		57,479	57,479
Tires	6,306		85	85
Process Fuel [e][f]			101,027	101,027
Total Tons MSW Collected	788,248	69,822	315,845	385,667



Re-TRAC Data Entry: MSW Management Section

MSW Management Section

Facility Name	Facility Type	County Owned?	Received Tons	Recycled Tons	Disposed Tons
Certified C&D Tons	NA	NA	105,235.00	7,322.00	97,913.00
COUNTY OWNED FACILITIES					
Transferred Out of State	NA	NA			0.00
Transferred Out of County	NA	NA			0.00
Lena Road	Class I	Yes	274,914.00	0.00	274,914.00
	Class III	Yes	11,574.00		11,574.00
	TS	Yes			0.00
	Other	Yes			0.00
PRIVATE FACILITIES LOCATED IN COUNTY					
		No			0.00
		No			0.00
Total Landfilled					384,401.00

Landfill Tons includes the following:

- Ash Landfilled- excluding ash used as landfill cover
- Yard Trash disposed receiving Landfill Gas Recycling Credits – Electricity generated
- Other MSW disposed receiving Landfill Gas Recycling Credits –Electricity generated
- Yard Trash disposed recycling Landfill Gas Recycling Credits – No electricity generated
- C&D Disposed



Re-TRAC Data Entry: MSW Management Section

MSW Management

Landfilled (including Landfilled Combustor Ash): *

384,401 tons

Gross Combusted (WTE Input): *

19,180 tons

Landfilled Combustor Ash [g]: *

500 tons

Combustor Material Recycled [h]:

500 tons

Renewable Energy (other than WTE) [ww]:

tons

Net Combusted Tons:

18,180 = (Gross Combusted + Renewable Energy - Landfilled Combustor Ash - Combustor Material Recycled)

Recycled Tons [b]:

385,667 tons

Stockpiled [i]:

tons



Re-TRAC Data Entry: MSW Management and Tons MSW Collected Sections

C&D Debris	154,497	7,322
Food	62,272	
Miscellaneous	245,933	
Tires	6,306	
Process Fuel [e][f]		
Total Tons MSW Collected	788,248	69,822

MSW Management

Landfilled (including Landfilled Combustor Ash): *	<input type="text" value="384,401"/> tons
Gross Combusted (WTE Input): *	<input type="text" value="19,180"/> tons
Landfilled Combustor Ash [g]: *	<input type="text" value="500"/> tons
Combustor Material Recycled [h]:	<input type="text" value="500"/> tons
Renewable Energy (other than WTE) [ww]:	<input type="text"/> tons
Net Combusted Tons:	<input type="text" value="18,180"/> = (Gross Combusted + Renewable Energy - Landfilled Combustor Ash - Combustor Material Recycled)
Recycled Tons [b]:	<input type="text" value="385,667"/> tons
Stockpiled [i]:	<input type="text"/> tons

Totals should MATCH!

Tons MSW Collected

Total Tons MSW Collected	<input type="text" value="788,248"/> (Landfilled + Recycled + Net Combusted + Stockpiled)
--------------------------	---



Re-TRAC Data Entry: Recycling Credits for Landfill Cover Section

Recycling Credits for Landfill Cover [j]

Select the material(s) used to receive landfill cover recycling credits:

- Yard Trash used as landfill cover
- Treated Contaminated Soil (must meet approved levels)
- Other MSW used as landfill cover (excluding yard trash)

Recycling Credits for Yard Trash used as Landfill Cover

	NAME OF LANDFILL	DISPOSED COUNTY YARD TRASH (TONS) [k]	TOTAL DISPOSED YARD TRASH AT LANDFILL (TONS) [l]	YARD TRASH DISPOSAL RATIO [m]	TOTAL YARD TRASH USED AS LANDFILL COVER (TONS) [n]	YARD TRASH/LANDFILL COVER RECYCLING CREDITS FOR COUNTY (TONS) [o]	
1	Reynolds County Landfill	46,919	46,919	1.000000	46,919	46,919.00	

ADD

Recycling Credits for Other MSW used as Landfill Cover

	NAME OF LANDFILL	DISPOSED COUNTY MSW (EXCLUDING YARD TRASH) (TONS) [p]	TOTAL DISPOSED MSW AT LANDFILL (EXCLUDING YARD TRASH)(TONS) [q]	MSW DISPOSAL RATIO [r]	TOTAL OTHER MSW USED AS LANDFILL COVER (TONS) [s]	OTHER MSW/LANDFILL COVER RECYCLING CREDITS FOR COUNTY (TONS) [t]	
1	Reynolds County Landfill	337,482	337,482	1.000000	7,495	7,495.00	
2	Reynolds County Landfill	337,482	337,482	1.000000	42,140	42,140.00	

Glass used as landfill cover

RSM used as landfill cover

Total Recycling Credits for Yard Trash used as Landfill Cover [u]:

46,919.00

Total Recycling Credits for Other MSW used as Landfill Cover [v]:

49,635.00

Note: Yard trash and other MSW receiving landfill cover recycling credits do not qualify to also receive landfill gas recycling credits.



Re-TRAC Data Entry: Renewable Energy Recycling Credits Section

Recycling Credits for Renewable Energy

Select the method/s used to receive renewable energy recycling credits:

- Waste-to-Energy
- Landfill Gas Used to Generate Electricity
- Renewable Energy (other than WTE)

Recycling Credits for Waste-to-Energy

	NAME OF FACILITY	COUNTY GROSS MSW COMBUSTED (TONS) [w]	TOTAL GROSS COMBUSTED MSW AT FACILITY (TONS) [x]	GROSS COMBUSTED RATIO [y]	GROSS MWH GENERATED AT FACILITY [z]	WASTE-TO-ENERGY RECYCLING CREDITS FOR COUNTY (TONS) [aa]	
1	Reynolds WTE Facility	19,180	200,000	0.095900	124,369	11,926.99	

ADD



Re-TRAC Data Entry: Renewable Energy Recycling Credits Section

Recycling Credits for Landfill Gas Used to Generate Electricity:

- Yard Trash Only
- Other MSW - not including Yard Trash

$$60,000 - 46,919 = 13,081$$

Recycling Credits for Landfill Gas Used to Generate Electricity - Yard Trash Only

	NAME OF LANDFILL	DISPOSED COUNTY YARD TRASH (TONS) [bb]	TOTAL DISPOSED MSW AT LANDFILL (TONS) [cc]	YARD TRASH DISPOSAL RATIO [m]	GROSS MWH GENERATED AT LANDFILL [dd]	YARD TRASH/LANDFILL GAS RENEWABLE ENERGY RECYCLING CREDITS FOR COUNTY (TONS) [ee]	
1	Reynolds County Landfill	13,081	274,914	0.047582	35,000	1,665.38	<input checked="" type="checkbox"/> REMOVE

Recycling Credits for Landfill Gas Used to Generated Electricity - Other MSW (not including Yard Trash)

	NAME OF LANDFILL	DISPOSED COUNTY MSW - EXCLUDING YARD TRASH (TONS) [ff]	TOTAL DISPOSED MSW AT LANDFILL (TONS) [gg]	DISPOSAL RATIO [hh]	GROSS MWH GENERATED AT LANDFILL [dd]	OTHER MSW/LANDFILL GAS RENEWABLE ENERGY RECYCLING CREDITS FOR COUNTY (TONS) [ii]	
1	Reynolds County Landfill	214,914	274,914	0.781750	35,000	27,361.25	<input checked="" type="checkbox"/> REMOVE

$$274,914 - 60,000 = 214,914$$

Total Recycling Credits for Waste-to-Energy [jj]:

11,926.99

Total Recycling Credits for Landfill Gas Used to Generate Electricity - Yard Trash Only [kk]:

1,665.38

Total Recycling Credits for Landfill Gas Used to Generated Electricity - Other MSW [ll]:

27,361.25

Landfill Gas: Yard Trash Only

Reynolds County Landfill Notes:

- Disposed Yard Trash Tons: 60,000
- 46,919 received landfill cover recycling credits
- 13,081 eligible for landfill gas recycling credits

Landfill Gas: Other MSW

Reynolds County Landfill Notes:

- Disposed Yard Trash Tons: 214,914
 - (274,914 – 60,000 T of yard trash = 214,914)



Re-TRAC Data Entry: Yard Trash Recycling Landfill Gas Recycling Credits (generating something other than electricity) Section

Yard Trash Receiving Landfill Gas (Generating something Other than Electricity) Recycling Credits

The information provided below will be used to determine recycling credits from yard trash used or disposed in a class 1 landfill beneficially using landfill gas for something other than the generation of electricity.

The following information must be provided on a per landfill basis.

Yard Trash used or disposed in a Class 1 landfill beneficially using landfill gas for something other than the generation of electricity.

	NAME OF LANDFILL	DISPOSED COUNTY YARD TRASH (TONS) [nn]	TOTAL DISPOSED MSW AT LANDFILL (TONS) [oo]	YARD TRASH DISPOSAL RATIO [m]	MWH EQUIVALENT OF BENEFICIAL USE [pp]	MWH EQUIVALENT FROM YARD TRASH [qq]	
1	Reynolds Class III	11,574	11,574	1.000000	5,041	5,041.0000	REMOVE

ADD

Total Recycling Credits for Landfill Gas used to Generate Something Other than Electricity [ss]:

5,041.0000

Note: MWH equivalent of Beneficial Use should be determined by the County and approved by DEP



Re-TRAC Data Entry: Fuel or Fuel Substitute Recycling Credits Section

Fuel or Fuel Substitute Recycling Credits

MSW (excluding yard trash, wood and paper) used as fuel or fuel substitute.

Fuel or Fuel Substitute Recycling Credits

	NAME OF FACILITY	GROSS MSW TONS USED AS A FUEL OR FUEL SUBSTITUTE	TOTAL TONS BYPRODUCT WASTE DISPOSED	TOTAL TONS BYPRODUCT RECYCLED	NET MSW TONS USED AS A FUEL OR FUEL SUBSTITUTE [mm]	
1	City of Shannan	8	0	0	8	REMOVE

ADD

Total Net MSW Ton used as a Fuel or Fuel Substitute:

8

Note: Should be included in the Municipal Solid Waste Collection and Recycling Section as well as noted in the Solid Waste Management Report Workbook.



Re-TRAC Data Entry: Recycling Credits for Process Fuel

Recycling Credits for Process Fuel

Waste Processed at Facility

NAME OF FACILITY	TONS PROCESSED	
Reynolds Process Fuel Facility	18,599	✕ REMOVE
Shannan Process Fuel Facility	84,248	✕ REMOVE

[+ ADD](#)

Total Waste Processed at Facility [rr]:

102,847.00

Note: Should be included in the Municipal Solid Waste Collection and Recycling Section as well as noted in the Solid Waste Management Report Workbook.



Re-TRAC Data Entry: Recycling Credits for Tires

Recycling Credits for Tires

A. Tires Collected (tons) [rr]

B. Recycling Credits:

i. Energy Use:

Used as a supplemental energy use by WTE facilities. This tonnage should have already been included in the Waste-to-Energy Recycling Credits section.

ii. Recycling:

Crumb rubber applications and civil engineering uses. This tonnage should have been included in the MSW Collection and Recycling Section.

iii. Other:

Note: Should be included in the Municipal Solid Waste Collection and Recycling Section as well as noted in the Solid Waste Management Report Workbook.



Re-TRAC Data Entry: Land/Road Reclamation Projects

Land/Road Reclamation Projects

(ex: road base, fill materials)

Processed C&D Used for Land/Road Reclamation Projects (Tons):

32,270

This tonnage should have also been included in the C&D and/or Miscellaneous categories in the MSW Collection and Recycling Table.

Treated Contaminated Soil Used for Land/Road Reclamation Projects (Tons)

Thermally Treated

Aerated

Other

Notes:

- Should be included in the Municipal Solid Waste Collection and Recycling Section as well as noted in the Solid Waste Management Report Workbook.
- Use of C&D and Treated Contaminated Soil used in Land/Road Reclamation Projects are subject to DEP approval.



Re-TRAC Data Entry: Collection and Recycling by Generator Type

Residential Single Family

Total Units in County: *

150,000

Residents Per Unit [tt]: *

2.33

Collected Tons from Residential Single Family Units [uu] *

245,525

Recycled Tons from Residential Single Family Units *

130,000

Total Tons MSW Collected

788,248

Total Recycled Tons

385,667

Contact county
economic
development
department



Re-TRAC Data Entry: Collection and Recycling by Generator Type

Residential Single-Family Participation in Recycling

Select the service(s) that are available to county units: *

Curbside Collection

Drop-off Stations

Mobile Drop-off

Buy Back Centers

Curbside Collection: *

80,000

units with service available

Curbside Collection: *

45,000

units participating in available service

Drop-off Stations: *

150,000

units with service available

Drop-off Stations: *

20,000

units participating in available service



Re-TRAC Data Entry: Collection and Recycling by Generator Type (Multi-Family)

Residential Multi-Family

Total Units in County: *	22,000
Residents Per Unit [tt]: *	2.33
Collected Tons from Residential Multi-Family Units [uu] *	85,000
Recycled Tons from Residential Multi-Family Units *	35,100
Total Tons MSW Collected	788,248
Total Recycled Tons	385,667

Residential Multi-Family Participation in Recycling

Select the service(s) that are available to county units: *

- Curbside Collection
- Drop-off Stations
- Mobile Drop-off
- Buy Back Centers

Curbside Collection: *	10,000	<i># units with service available</i>
Curbside Collection: *	5,000	<i># units participating in available service</i>
Drop-off Stations: *	22,000	<i># units with service available</i>
Drop-off Stations: *	3,000	<i># units participating in available service</i>



Re-TRAC Data Entry: Collection and Recycling by Generator Type (Commercial)

Commercial

Total Units in County: *	6,500	
Collected Tons from Commercial Units [uu] *	457,723	
Recycled Tons from Commercial Units *	220,567	
Total Tons MSW Collected	788,248	
Total Recycled Tons	385,667	
Scheduled Recycling Service Collection: *	6,500	<i># units with service available</i>
Scheduled Recycling Service Collection: *	4,500	<i># units participating with available service</i>
On Call Recycling Service Collection: *	6,500	<i># units with service available</i>
On Call Recycling Service Collection: *	1,500	<i># units participating with available service</i>



Re-TRAC Data Entry: Generator Totals

Generator Totals

Total Tons Collected:

788,248

(Single-Family + Multi-Family + Commercial)

Total Tons Recycled:

385,667

(Single-Family + Multi-Family + Commercial)

Process Fuel [e][f]			101,027	101,027
Total Tons MSW Collected	788,248	69,822	315,845	385,667

MSW Management

Landfilled (including Landfilled Combustor Ash): *

384,401 tons

Gross Combusted (WTE Input): *

19,180 tons

Landfilled Combustor Ash [g]: *

500 tons

Combustor Material Recycled [h]:

500 tons

Renewable Energy (other than WTE) [ww]:

tons

Net Combusted Tons:

18,180 *=(Gross Combusted + Renewable Energy - Landfilled Combustor Ash - Combustor Material Recycled)*

Recycled Tons [b]:

385,667 tons

Stockpiled [i]:

tons

Municipal Solid Waste Collection and Recycling Section

Tons MSW Collected

Total Tons MSW Collected

788,248 *(Landfilled + Recycled + Net Combusted + Stockpiled)*



Re-TRAC Data Entry: County Average Solid Waste Disposal Fees (dollars per ton)

County Average Solid Waste Disposal Fees (dollars per ton) (vv)

Select the material(s) and/or services that are collected or provided in your county.


- Class 1
- White Goods
- Asbestos
- WTE Facility
- C&D
- Out of County
- Yard Trash
- Passenger Tires
- Petroleum Contaminated Soils

Class 1: *	<input type="text" value="40.00"/>	<i>Dollar per ton</i>
Yard Trash: *	<input type="text" value="40.00"/>	<i>Dollar per ton</i>
White Goods: *	<input type="text" value="40.00"/>	<i>Dollar per ton</i>
C&D: *	<input type="text" value="40.00"/>	<i>Dollar per ton</i>
Asbestos: *	<input type="text" value="86.00"/>	<i>Dollar per ton</i>
Out of County: *	<input type="text" value="61.00"/>	<i>Dollar per ton</i>
Petroleum Contaminated Soils: *	<input type="text" value="80.00"/>	<i>Dollar per ton</i>



SWMR Submittal

Status

Auditor Notes

To view all auditor notes, expand the [Response History](#) section of the survey

UPDATE

DELETE RESPONSE

Notes:

- Submit report whenever it is ready for FDEP Review
- Submit the Solid Waste Management Report Workbook with SWMR.



Questions???

Shannan Reynolds

Environmental Consultant

850-245-8716

Shannan.Reynolds@dep.state.fl.us

Suzanne Boroff

Government Analyst

850-245-8893

Suzanne.Boroff@dep.state.fl.us