Johnson, Sabrina O

From: Jason Gorrie <jason@jmg-eng.com>
Sent: Monday, April 15, 2019 2:16 PM

To: SWD_Waste

Cc: Justin G. Roessler; 'ckimble@pascocountyfl.net'

Subject: West Pasco Class I and Class III Landfills - Remaining Useful Life Reports

Attachments: 2018 Remaining Useful Life Report - West Pasco Class I Landfill.pdf; West Pasco Class III Landfill -

2019 Remaining Life Estimate.pdf

Jason M. Gorrie, P.E., BCEE President



238 East Davis Blvd. Suite 206 Tampa, FL 33606 (813) 605-0706

https://clicktime.symantec.com/3Fdn7pmFVVi2zemDHxhCAkU7Vc?u=www.jmg-eng.com

Pasco County Utilities

Remaining Disposal Capacity and Site Life Calculations West Pasco Class III Landfill

Reporting Year 2018

April 2019



Prepared For:

Pasco County Utilities

Prepared By:

Jason Gorrie, P.E.

JMG Engineering, Inc.

238 East Davis Blyd...

Suite 206

No. 5534

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enature Co CORIDA CALL Date



Purpose of Report

Rule 62-701.500(13)(c) of the Florida Administrative Code (FAC) requires landfill owners and operators to annually prepare an estimate of the remaining life and capacity (in cubic yards) of the existing, constructed landfill and an annual estimate of the life and capacity of other permitted areas not yet constructed. For the purposes of this report, the "existing, constructed landfill" is considered to be the currently active portions of the site designated as Class III (subcells 1, 2, 3, and 4 of 4). The Class I portions of the West Pasco Resource Recovery Facility Landfill are addressed in a separate Report.

Procedure

The currently permitted capacity of the Class III Landfill is considered to be 487,904 cubic yards. In order to estimate the current volume of waste in place in subcells 1, 2, 3, and 4 the Pasco County Engineering Services Department conducted a topographic survey of Class III landfill in March 2019. The topographic contours identified through the survey are in included as **Attachment 1**.

Using the elevations reported on the topographic survey in conjunction with the known elevations of the liner system, it is possible to estimate the volume of waste in place in the landfill. Mathematically, the volume under a function is defined by the double integral:

$$\int_{x-min}^{x-max} \int_{y-min}^{y-max} f(x,y) dx dy$$

To determine the function f(x, y) defining the shape of the landfill surfaces, JMG Engineering relied upon the volume calculation algorithms of the surface mapping software program Surfer® 13. The total volume of waste calculated to be currently in place in the Class III Landfill is approximately 214,000 cubic yards.

Given the permitted volumetric capacity of 487,904 cubic yards and subtracting the 214,000 cubic yards calculated from the 2019 survey to be currently in place, approximately 273,900 cubic yards of airspace remains available for disposal. Compacted construction and demolition debris waste has an approximate density of 1,200 pounds per cubic yard. Using the assumed density, the 273,900 remaining cubic yards can accommodate approximately 164,000 tons of construction and demolition debris.

As shown in Table 1, the Class III waste disposal rate has varied from year to year. However, because the tipping fee charged by Pasco County to use the Class III cells is considerably higher than that of nearby private Class III landfills, it is safe to assume that the annual waste placement rate will not differ significantly from approximately 4,000 tons/year (6,667 cubic yards/year). Using this as a future disposal rate along with an estimated 10% weekly cover rate (667 cubic yards/year) results in an estimated future airspace consumption rate of 7,333 cubic yards per year. Dividing the remaining airspace of 273,900 cubic yards by the estimated future consumption rate of 7,333 cubic yards per year results in an estimated remaining life of 37 years.



TABLE 1Monthly Tonnage Summary for 2018

	West Pasco Class III
Month	(tons)
January	207
February	255
March	279
April	457
May	283
June	331
July	286
August	217
September	211
October	169
November	212
December	207
Total	3,114

Historical Tonnage Summary

2012	2,822
2013	3,206
2014	4,433
2015	4,125
2016	3,094
2017	3,227

Attachments

Attachment 1: Topographical Contours

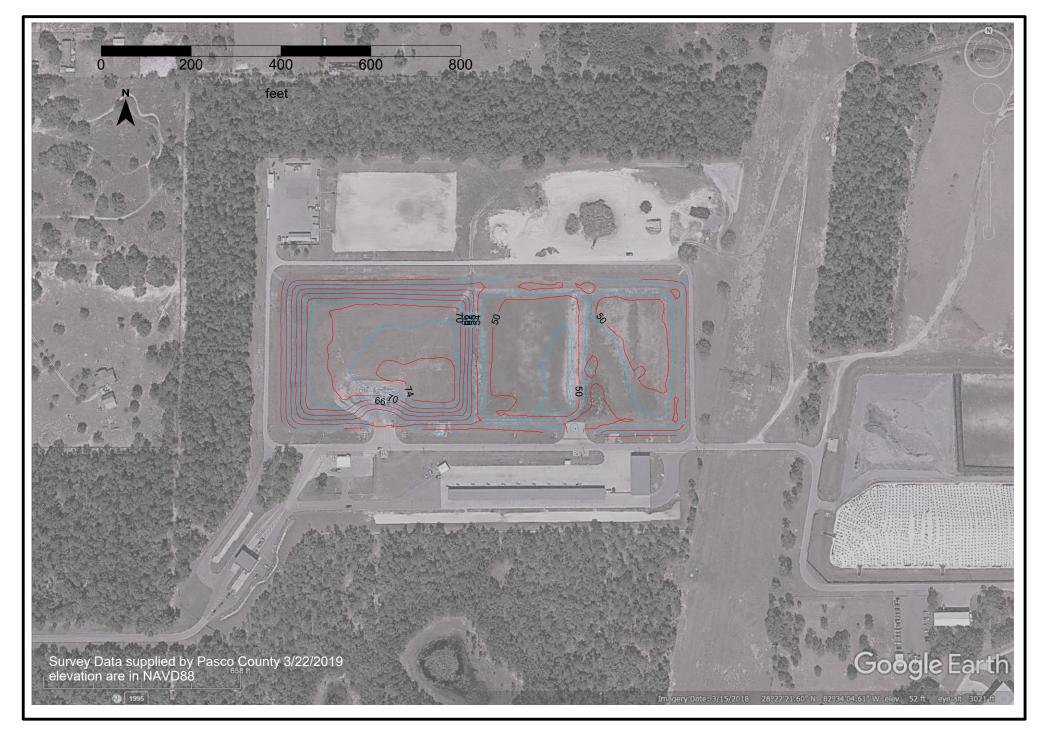
Attachment 2: Grid Volume Report

Attachment 3: 2018 Waste Placement Records



ATTACHMENT 1 Landfill Contours







ATTACHMENT 2 Grid Volume Report



Grid Volume Computations

Mon Apr 15 10:37:16 2019

Upper Surface

Grid File Name: C:\Users\jason\OD\Pasco\Solid Waste Facilities Compliance Assistance

(TO 1-19)\Landfill Useful Life\Class III\1819-066 C3 Points.grd

Grid Size: 40 rows x 100 columns

X Minimum: 472677.393 X Maximum: 474077.39

X Spacing: 14.141383838384

Y Minimum: 1468379.594 Y Maximum: 1468929.593 Y Spacing: 14.10253846154

Z Minimum: 43.797649914085 Z Maximum: 75.699284017431

Lower Surface

Level Surface defined by Z = 50

Volumes

Z Scale Factor:

Total Volumes by:

Trapezoidal Rule: 5510847.9728094 Simpson's Rule: 5518440.0780061 Simpson's 3/8 Rule: 5508353.0138762

Cut & Fill Volumes

Positive Volume [Cut]: 5777826.8147445 (~ 214,000 cubic yards)

Negative Volume [Fill]: 266978.84193513 Net Volume [Cut-Fill]: 5510847.9728094

Areas

Planar Areas

Positive Planar Area [Cut]: 531850.96287888

 Negative Planar Area [Fill]:
 186294.34065938

 Blanked Planar Area:
 51851.646464856

 Total Planar Area:
 769996.95000311

Surface Areas

Positive Surface Area [Cut]: 537518.37997124 Negative Surface Area [Fill]: 187008.41581982

ATTACHMENT 3 Waste Placement Records



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis Governor

Bob Martinez Center 2600 Blair Stone Road Tallahassee, Florida 32399-2400 Jeanette Nuñez Lt. Governor

Noah Valenstein Secretary

Electronic Submission Receipt

Solid Waste Quantity Report

Thank you for submitting a Solid Waste Quantity Report for the facility PASCO COUNTY RESOURCE RECOVERY with WACS ID 45799.

You have submitted your Solid Waste Quantity Report as required by Rule 62-701.500 F.A.C. which implements the requirements of the Florida Solid Waste Management Act, § 403.702-.7193 and 403.75-.769, Florida Statutes.

A copy of the report has been attached for your records. Should additional information be required, you will be contacted.

If you have any questions regarding your submission, please contact the Solid Waste Program Coordinator with the Solid Waste Program Office at (850) 245-8707 or send e-mail to SWPP@dep.state.fl.us.



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center 2600 Blair Stone Road Tallahassee, Florida 32399-2400 Ron DeSantis Governor

Jeanette Nuñez Lt. Governor

Noah Valenstein Secretary

Electronic Submission

Solid Waste Quantity Report

You have submitted your Solid Waste Quantity Report as required by Rule 62-701.500 F.A.C. which implements the requirements of the Florida Solid Waste Management Act, § 403.702-.7193 and 403.75-.769, Florida Statutes.

Below is a copy of the information you submitted for your records.

Facility Information

Facility ID: 45799

Facility or Business Name: PASCO COUNTY RESOURCE RECOVERY

Address Line 1: 14230 HAYS RD

Address Line 2:

City/State/Zip Code: Spring Hill, FL 34610 7630

County: Pasco

Mailing Address

Company Name: PASCO COUNTY COMMISSIONERS

Address Line 1: COUNTY COURTHOUSE Address Line 2: 8731 CITIZENS DRIVE

City/State/Zip Code: NEW PORT RICHEY, FL 34654 0

Site Supervisor

Name: JOHN POWER Phone Number: (727) 857-2780

Extension:

E-mail Address: jpower@pascocountyfl.net

If you have any questions or concerns about the information contained in this report, please contact the Solid Waste Program Coordinator in the Solid Waste Program Office at (850) 245-8707 or send e-mail to SWPP@dep.state.fl.us.

Annual Report Summary

(all values in tons)

Facility Type	Class I Waste	Class III Waste	Ash Residue	Other Wastes
Class I Landfill	15551.06	0.0	85874.76	0.0
Class III Landfill	0.0	3114.01	0.0	0.0

County of Origin: PASCO

Class I Report Information (all values in tons)

Month/Year	Class I Waste	Class III Waste	Ash Residue	Other Wastes
1/2018	119.70	0.00	7556.99	0.00
2/2018	61.14	0.00	6747.48	0.00
3/2018	4986.32	0.00	6010.38	0.00
4/2018	2028.09	0.00	6652.15	0.00
5/2018	5428.76	0.00	7930.52	0.00
6/2018	33.30	0.00	6940.41	0.00
7/2018	2804.13	0.00	7428.73	0.00
8/2018	1.15	0.00	7765.86	0.00
9/2018	5.51	0.00	7735.40	0.00
10/2018	43.36	0.00	6679.64	0.00
11/2018	12.82	0.00	7128.17	0.00
12/2018	26.78	0.00	7299.03	0.00
Total	15551.06	3114.01	85874.76	0.00

Additional information describing the **Other Waste** disposed of:

County of Origin: PASCO

Class III Report Information (all values in tons)

Month/Year	Class I Waste	Class III Waste	Ash Residue	Other Wastes
1/2018	0.00	207.07	0.00	0.00
2/2018	0.00	254.78	0.00	0.00
3/2018	0.00	278.51	0.00	0.00
4/2018	0.00	456.76	0.00	0.00
5/2018	0.00	283.31	0.00	0.00
6/2018	0.00	330.95	0.00	0.00

7/2018	0.00	285.91	0.00	0.00
8/2018	0.00	217.49	0.00	0.00
9/2018	0.00	210.65	0.00	0.00
10/2018	0.00	169.12	0.00	0.00
11/2018	0.00	212.27	0.00	0.00
12/2018	0.00	207.19	0.00	0.00
Total	15551.06	3114.01	85874.76	0.00

Additional information describing the Other Waste disposed of:

Report Submitted By

Name: Joanne Chamberlain

Phone Number: (727) 847-8041

Extension:

E-mail Address: jchamberlain@pascocountyfl.net

All information submitted was certified true, accurate, and correct to the best of the knowledge of the person whose name appears above.

Pasco County Utilities

Remaining Disposal Capacity and Site Life Calculations Pasco County Resource Recovery Facility

Reporting Year 2018

April 2019



Prepared For:

Pasco County Utilities

Prepared By:

Jason Gorrie, P.E.

JMG Engineering, Inc.

238 East Davis Blvd

Tampa, Florida 33606 LICENS

No. 55341

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1.0 Purpose of Report

Rule 62-701.500(13)(c) of the Florida Administrative Code (FAC) requires landfill owners and operators to annually prepare an estimate of the remaining life and capacity (in cubic yards) of the existing, constructed landfill and an annual estimate of the life and capacity of other permitted areas not yet constructed. For the purposes of this Report, the "existing, constructed landfill" is considered to be the currently active portions of the site designated as A-4 (for combustion ash) and SW-1/SW-2 (for unprocessed municipal solid waste.) The remaining useful life of disposal cell A-4 is presented in **Section 3.0**. The remaining useful life of disposal cell SW-1/SW-2 is presented in **Section 4.0**. Finally, the remaining useful life of future disposal cells permitted by Power Plant Siting Act Conditions of Certification PA 87-23C are presented in **Section 5**.

2.0 Assumptions Used in Report

- The primary disposal mechanism for municipal solid waste generated within Pasco County is the Pasco County Resource Recovery Facility. The Resource Recovery Facility is permitted to combust approximately 1,050 tons per day of municipal solid waste. Residue from the combustion of the municipal solid waste (hereinafter referred to as "ash") is disposed in those areas identified in **Figure 1** as "Ash Disposal Cells." As of the writing of this Report, disposal cells A-1, A-2, and A-3 are temporarily inactive and not receiving ash. While these cells are not currently receiving ash and are temporarily capped with a tarp to minimize leachate generation, they are still available for additional disposal in the future. Disposal cell A-4 is the currently active disposal cell for ash residue and receives all ash generated by the Resource Recovery Facility¹.
- The actual mass value of waste that can be processed by the Resource Recovery Facility is variable due to the heating value of the waste. Drier waste and waste containing larger amounts of plastics has a higher heating value, resulting in less mass throughput through the Resource Recovery Facility. Wetter waste and waste containing less plastics has a lower heating value, resulting in more mass throughput through the Resource Recovery Facility. The heating value of the waste (measured in British thermal units per pound of waste, or Btu/lb) has been observed to be gradually increasing over the course of several years, resulting in a slightly lower mass throughput capability of the Resource Recovery Facility. For purposes of this Report, it is assumed that the annual solid waste mass throughput capacity of the Resource Recovery Facility will remain at 1,050 tons per day for the foreseeable future. Assuming no changes in facility availability, the Resource Recovery Facility is capable of

¹ The Florida Department of Environmental Protection has authorized Pasco County to beneficially utilize a significant portion of the ash generated by the Resource Recovery Facility. For purposes of this Report, it is conservatively assumed that <u>all</u> ash will be placed in the Ash Disposal Cells and not beneficially utilized. It should be noted that future beneficial reuse projects undertaken in accordance with the FDEP's approval could substantially reduce the amount of ash placed in the Ash Disposal Cells in future years.



SW-6	SW-1 (active)
SW-5	SW-2 (active)
SW-4	SW-3
FUTURE	FUTURE
A-6	A-1 (1991 - 1996)
A-4	A-2 (1996 - 2000)
(active)	A-3 (2000 - 2008)

LEGEND

A-x

Ash Disposal Cells Solid Waste Disposal Cells SW-x



FIGURE 1

Class I Landfill Footprint

2018 Useful Life Estimate Pasco County Class I Landfill

processing approximately 331,000 tons per years given the 1,050 tons per day design capacity, 90% availability and a standard higher heating value of 4,800 Btu per pound. (CDM Smith, 2015)

- The quantity of ash generated by the combustion process at the Resource Recovery Facility is relatively consistent at 23% (by mass) of the municipal solid waste combusted. (Pasco County Utilities, 2018) Previous studies by Covanta and others have demonstrated that the density of the ash is also relatively consistent over protracted periods at 2,200 pounds per cubic yard. Municipal solid waste that is bypassed from the Resource Recovery Facility and placed in the solid waste disposal cells is assumed to have a compacted density of approximately 1,100 pounds per cubic yard.
- It is widely recognized that the population of Pasco County is growing. Future waste generation rates were estimated in 2015 based on population projections generated by the University of Florida's Bureau of Economic and Business Research. These numbers are relied upon in this Report and presented in Table 1.

2.1 Permitted Disposal Capacity

Construction and operation of the disposal cells at the site is governed by Power Plant Siting Act Conditions of Certification PA87-23C. The permitted maximum elevation of the currently active Ash Disposal Cell (A-4) is 120 feet NGVD. In 2015, CDM-Smith estimated the total volume available for disposal in cell A-4 to be 1,254,269 cubic yards (CDM-Smith, 2015).

The permitted maximum elevation of the currently active Solid Waste Disposal Cell (SW-2) is 101 feet NGVD. In January of 2019, Pasco County modified the Landfill Operations Plan to reflect a new Fill Sequence for SW-1/SW-2. Previous Fill Sequencing anticipated construction of a new Cell SW-3 once the permitted elevation of 101 feet NGVD was reached. The revised Fill Sequence anticipates merging SW-1 and SW-2 by filling the interstice (or "valley") between the two cells, then filling vertically (with modified sideslopes) to the permitted elevation of 101 feet. This modification will result in an estimated total volume available for disposal of approximately 900,000 cubic yards, shown in **Attachment 6**.

3.0 Useful Remaining Life of Cell A-4

The currently permitted capacity of Ash Disposal Cell A-4 is considered to be 1,254,269 cubic yards. At present, subcells 1, 2, 3, and 4 (of 6) of Ash Disposal Cell A-4 have received waste and are considered to be "active". In order to estimate the current volume of waste in place in subcells 1, 2, 3, and 4 the Pasco County Engineering Services Department conducted a topographic survey of cell A-4 in January 2018. The elevation contours of the A4 disposal cell are depicted at **Attachment 1**.

Using the elevations reported on the topographic survey in conjunction with the known elevations of the liner system, it is possible to estimate the volume of ash in place in cell A-4. Mathematically, the volume under a function is defined by the double integral:

$$\int_{x-min}^{x-max} \int_{y-min}^{y-max} f(x,y) dx dy$$



To determine the function f(x, y) defining the shape of the landfill surfaces, JMG Engineering relied upon the volume calculation algorithms of the surface mapping software program Surfer® 13. The total volume of ash calculated to be currently in place in A-4 is approximately 418,000 cubic yards.

Given the permitted volumetric capacity of 1,254,269 cubic yards and subtracting the 418,000 cubic yards calculated from the 2019 survey to be currently in place, approximately 836,000 cubic yards of airspace remains available for disposal. Municipal waste combustor ash has an approximate density of 2,200 pounds per cubic yard. Using the assumed density, the 836,000 remaining cubic yards can accommodate approximately 760,000 tons of ash.

Table 1 below shows the projected ash generation rate as a function of anticipated Resource Recovery Facility capacity. Because the waste-to-energy facility is currently operating at its maximum capacity, no changes in the ash generation rate are expected in the immediate future. By dividing the calculated remaining capacity of A-4 (760,000 tons) by the anticipated annual ash generation rate of 76,130 tons per year, the estimated remaining useful life of Cell A-4 (as currently designed and permitted) is 11 years.

4.0 Useful Remaining Life of Cell SW-2

The calculation procedures used to estimate the remaining useful life for disposal cell SW-1/SW-2 are identical to those described above for disposal cell A-4. Utilizing the surveyed elevations provided by Pasco County Engineering Services Department (see **Attachment 2**), the Surfer 13® algorithms determined that the volume of solid waste present in SW-1/SW-2 is approximately 500,000 cubic yards (see **Attachment 4**).

The permitted volumetric capacity of SW-1/SW-2 is assumed to be 900,000 cubic yards (see **Attachment 6**). Subtracting the 500,000 cubic yards calculated to be currently in place, approximately 400,000 cubic yards of airspace remains available for disposal.

The intent of the solid waste cells (inclusive of SW-1/SW-2) as stated in the original application for Power Plant Siting Certification is to accommodate solid waste deliveries in excess of the Resource Recovery Facility's capacity. As stated previously, the Resource Recovery Facility is operating at capacity. This necessitates periodic (and temporary) diversions during times when the Resource Recovery Facility must operate at reduced capacity to facilitate maintenance activities.

Table 1 below shows the projected waste diversion volume as a function of anticipated Resource Recovery Facility capacity and future population growth². Using an assumed density of 1,100 pounds per cubic yard for municipal solid waste compacted in-place (USEPA, 2016), and further assuming that daily cover equivalent to 10% (by volume) per year will be utilized, it is estimated that remaining airspace will be consumed at the rate identified in Table 1. Accordingly, the estimated remaining useful life of cell SW-1/SW-2 (as currently designed and permitted) is approximately 4 years using a combination of exporting waste out-of-county and disposal in SW-1/SW-2.

² The diversion rates listed in Table 1 are conservative. The actual diversion rate is expected to be less than that presented in Table 1 because the Resource Recovery Facility has demonstrated an ability to process waste in excess of the 331,000 tons per year listed in the 2015 Solid Waste Master Plan.



5.0 Useful Remaining Life of Future Disposal Cells

As shown in Figure 1, several acres of permitted disposal space remain available for future use by the County. At present, liner and leachate collection systems have been constructed for the following disposal cells: SW-1, SW-2, A-1, A-2, A-3, and A-4. Because these lined cells are adjacent to each other, it is possible to maximize the airspace over existing lined areas by utilizing the interstitial space (or valley) between the existing cells. Such a practice will delay the need for construction of additional liner and leachate collection systems.

Finally, those cells identified in Figure 1 as SW-3, SW-4, SW-5, and SW-6 are sited and permitted as disposal areas but are yet to be constructed. Assuming that the ultimate capacity of these yet-to-be constructed cells will have an approximate capacity of 750,000 cubic yards each³, an additional 3 million cubic yards of disposal volume for MSW remains available to Pasco County. This equates to roughly 13 years of disposal capacity at the reasonably foreseeable MSW disposal rates anticipated in the future, as depicted in **Table 2**. Use of these permitted cells for disposal of ash from the Resource Recovery Facility will prolong the remaining useful life even further.

³ It is assumed that landfill operators will be able to achieve greater compaction efficiencies and lower daily cover application rates if it becomes necessary to operate the solid waste disposal cells in a permanent (rather than intermittent) fashion, resulting in a larger disposal capacity than is currently achieved in SW-1/SW-2.



Table 1
Estimated Waste Generation Rates, Waste Disposal Rates, and Remaining Disposal Capacity

					mateu Waste G	u waste deficiation nates, waste Disposal nates, and nemalining Disposal Capacity								
		Resourc	e Recovery F	acility		A-4 Disposal C	Cell		SW-	1/SW-2 Dispo	sal Cell		Hauled Ou	t-of County
Year	Projected Total	Estimated Waste	Estimated As	h Generation	Estimated Ash In Place at Beginning	Estimated Waste	Estimated Remaining Disposal Capacity at	Estimated Waste In Place at Beginning of	Estimated Waste	Estimated Waste	Estimated Daily Cover Application	Estimated Remaining Disposal Capacity at	Estimated Waste	Estimated Waste
	Waste Received ¹	Processed 1a	Ra	te	of Calendar Year	Placement Rate	End of Calendar Year ³	Calendar Year ⁹	Placement Rate	Placement Rate	Rate	End of Calendar Year⁴	Transferred ⁸	Transferred
	(tons)	(tons)	(tons)	(yds ³) ⁵	(yds³)	(yds³)	(yds³)	(yds³)	(tons)	(yds³) ⁶	(yds ³) ¹⁰	(yds³)	(tons)	(yds³)²
2018 ⁷	389,687	341,122	83,853	76,230	346,700	76,230	836,000	219,261	15,093	27,442	4,116	403,000	4,134	27,560
2019	420,000	331,000	76,130	69,209	418,000	69,209	767,060	500,000	19,000	34,545	5,182	363,273	70,000	466,667
2020	440,000	331,000	76,130	69,209	487,209	69,209	697,851	539,727	19,000	34,545	5,182	323,545	90,000	600,000
2021	450,000	331,000	76,130	69,209	556,418	69,209	628,642	579,455	19,000	34,545	5,182	283,818	100,000	666,667
2022	460,000	331,000	76,130	69,209	625,627	69,209	559,433	619,182	129,000	234,545	35,182	14,091		
2023	475,000	331,000	76,130	69,209	694,836	69,209	490,224	888,909	144,000	261,818	39,273			
2024	485,000	331,000	76,130	69,209	764,045	69,209	421,014	\bigvee	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\backslash\!\!\!\backslash$		
2025	495,000	331,000	76,130	69,209	833,255	69,209	351,805	\bigwedge	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$		
2026	505,000	331,000	76,130	69,209	902,464	69,209	282,596	\bigwedge	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$		
2027	515,000	331,000	76,130	69,209	971,673	69,209	213,387	M	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$		
2028	525,000	331,000	76,130	69,209	1,040,882	69,209	144,178	\sim	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$		
2029	530,000	331,000	76,130	69,209	1,110,091	69,209	74,969	\sim	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$		
2030	545,000	331,000	76,130	69,209	1,179,300	74,700	0	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$		
2031	550,000	331,000	76,130	69,209	\langle	$>\!\!<$	\sim	\langle	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$		

 $^{^{1}}$ Source: Integrated Solid Waste Management System Master Plan Update, Figure 3-2, CDM-Smith,2019

^{1a} Source: Integrated Solid Waste Management System Master Plan Update, Section 3, CDM-Smith,2019

 $^{^{\}rm 2}$ assume density of uncompacted mixed MSW to be 300 lbs/cu. yd

 $^{^{\}rm 3}$ assume total capacity of A4 is 1,254,269 cu. yds.

 $^{^{4}\,}$ assume total capacity of SW1/SW2 is 900,000 cu. yds.

⁵ assume density of ash to be 2,200 lbs/cu. yd.

 $^{^{\}rm 6}$ assume density of compacted mixed MSW to be 1,100 lbs/cu. yd.

 $^{^{7}}$ 2018 Values are actual values as reported by Pasco County, 1/17/19 Memorandum from J. Chamberlain to M. Carballa

 $^{^{\}rm 8}$ Assumes a combination of exporting waste out of County and utilizing SW-1/SW-2 Disposal Cell

⁹ 2018 value is for SW only. 2019 value estimated from 2019 topographical survey and estimated bottom liner elevations of combined SW1 and SW2

TABLE 2
Future Cells SW-3, SW-4, SW-5, and SW-6

Year	Projected Total Waste Received ¹	Estimated Waste Placement Rate ²	Estimated Waste Placement Rate	Estimated Daily Cover Application Rate	Estimated Remaining Disposal Capacity at End of Calendar Year ⁴
	(tons)	(tons)	(yds ³)	(yds ³) ⁶	(yds ³)
2022	400,000	69,000	98,571	9,857	2,891,571
2023	410,000	79,000	112,857	11,286	2,767,429
2024	425,000	94,000	134,286	13,429	2,619,714
2025	435,000	104,000	148,571	14,857	2,456,286
2026	450,000	119,000	170,000	17,000	2,269,286
2027	452,000	121,000	172,857	17,286	2,079,143
2028	460,000	129,000	184,286	18,429	1,876,429
2029	475,000	144,000	205,714	20,571	1,650,143
2030	480,000	149,000	212,857	21,286	1,416,000
2031	490,000	159,000	227,143	22,714	1,166,143
2032	500,000	169,000	241,429	24,143	900,571
2033	510,000	179,000	255,714	25,571	619,286
2034	520,000	189,000	270,000	27,000	322,286
2035	530,000	199,000	284,286	28,429	9,571
2036	530,000	\rightarrow	>>		
2037	530,000		> <	> <	

¹ Source: Integrated Solid Waste Management System Master Plan, Figure 2-3, CDM-Smith,2015

² Projected Total Waste Delivered minus 331,000 tons processed in WTE Facility

References

CDM Smith. (2015). Integrated Solid Waste Management System Master Plan.

CDM-Smith. (2015). Annual Remaining Disposal Capacity and Site Life Calculations.

Pasco County Utilities. (2018). Waste to Energy Tonnage Report.

USEPA. (2016). Volume to Weight Conversion Factors, Office of Resource Conservation and Recovery.

Attachments

Attachment 1: A-4 Topographic Contours
Attachment 2: SW-2 Topographic Contours
Attachment 3: A-4 Grid Volume Computations
Attachment 4: SW-2 Grid Volume Computations

Attachment 5: Waste Placement Records

Attachment 6: SW-1/SW-2 Grid Volume Calculations at Buildout

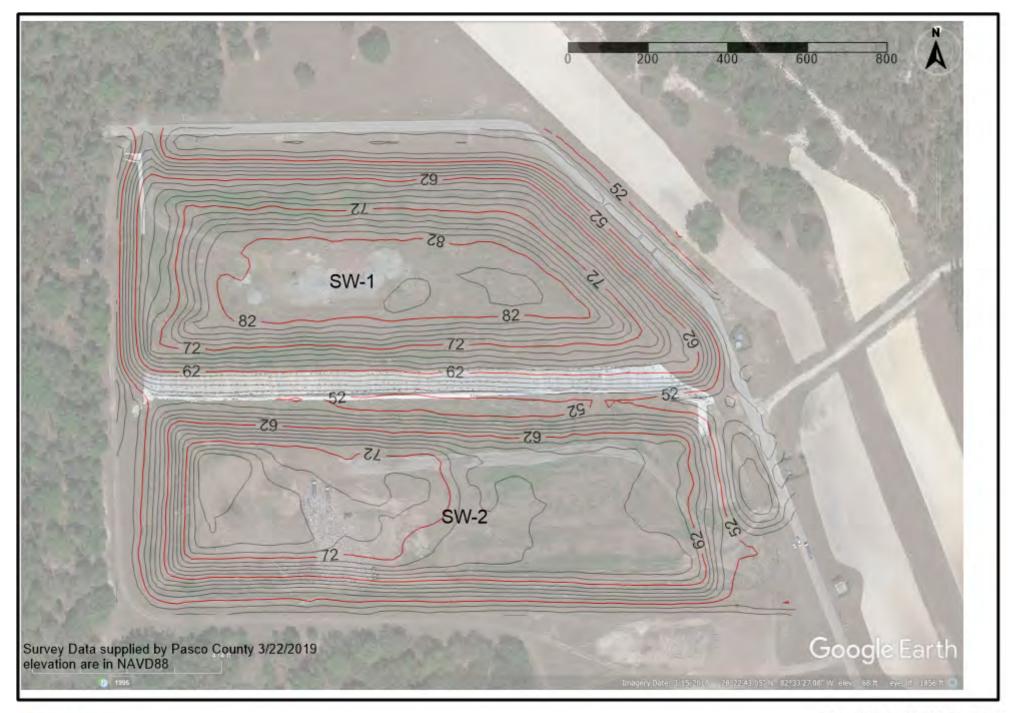


ATTACHMENT 1 A-4 Contours





ATTACHMENT 2 SW-2 Contours





ATTACHMENT 3 A-4 Grid Volume Calculations

Grid Volume Computations

Sun Mar 31 09:25:52 2019

Upper Surface

Grid File Name: D:\OneDrive - JMG Engineering\Pasco\Solid Waste Facilities Compliance Assistance (TO 1-19)\Landfill Useful Life\A4\1819-066 A4 CELL with 2018 points on covered cells.grd

Grid Size: 100 rows x 62 columns

X Minimum: 1467773.842 X Maximum: 1468576.076 X Spacing: 13.151377049179

Y Minimum: 474591.9089 Y Maximum: 475902.171

Y Spacing: 13.234970707071

Z Minimum: 37.808426001886 Z Maximum: 91.797511907439

Lower Surface

Level Surface defined by Z = 48

Volumes

Z Scale Factor: 1

Total Volumes by:

Trapezoidal Rule: 11303381.249468 (approx. 418,000 yds³)

Simpson's Rule: 11306739.759647 Simpson's 3/8 Rule: 11307156.951544

Cut & Fill Volumes

Positive Volume [Cut]: 11815832.561425 Negative Volume [Fill]: 512598.75495361 Net Volume [Cut-Fill]: 11303233.806471

Areas

Planar Areas

Positive Planar Area [Cut]: 899345.13658761

Negative Planar Area [Fill]: Blanked Planar Area: 151791.6689437

0

Total Planar Area: 1051136.8055313

Surface Areas

Positive Surface Area [Cut]: 915723.48358859 Negative Surface Area [Fill]: 152165.36543015

ATTACHMENT 4 SW-2 Grid Volume Calculations

Grid Volume Computations

Wed Apr 03 15:07:20 2019

Upper Surface

Grid File Name: C:\Users\jason\OD\Pasco\Solid Waste Facilities Compliance Assistance

(TO 1-19)\Landfill Useful Life\SW1and2\1819-066 SW1 SW2 POINTS.grd

Grid Size: 100 rows x 72 columns

X Minimum: 1470242.593 X Maximum: 1471267.591 X Spacing: 14.436591549294

Y Minimum: 476066.776 Y Maximum: 477491.773

Y Spacing: 14.393909090909

Z Minimum: 42.142374411277 Z Maximum: 84.869828676101

Lower Surface

Grid File Name: C:\Users\jason\OD\Pasco\Solid Waste Facilities Compliance Assistance

(TO 1-19)\Landfill Useful Life\SW1and2\SW1 and 2 bottom digitized.grd

Grid Size: 100 rows x 72 columns

X Minimum: 1470279.551 X Maximum: 1471159.941 X Spacing: 12.399859154931

Y Minimum: 476102.8426 Y Maximum: 477353.9757 Y Spacing: 12.637708080808

Z Minimum: 40.002282092702 Z Maximum: 61.746376197676

Volumes

Z Scale Factor: 1

Total Volumes by:

Trapezoidal Rule: 13431045.841591 Simpson's Rule: 13419279.132271 Simpson's 3/8 Rule: 13408643.774971

Cut & Fill Volumes

Positive Volume [Cut]: 14329743.765521 Negative Volume [Fill]: 898697.92392967

Net Volume [Cut-Fill]: 13431045.841591(497,446 cubic yards)

Areas

Planar Areas

Positive Planar Area [Cut]: 823175.76833905 Negative Planar Area [Fill]: 113219.74101397 Blanked Planar Area: 165089.56055617 Total Planar Area: 1101485.0699092

Surface Areas

Positive Surface Area [Cut]: 839034.49229864 Negative Surface Area [Fill]: 116121.33166909

ATTACHMENT 5 Waste Placement Records



PUBLIC INFRASTRUCTURE BRANCH

Administration and Support Services

Opportunities Home" "Bringing"

INTEROFFICE

January 17, 2019 DATE:

Michael J. Carballa, P. E., BCEE, Interim Assistant County Administrator (Public Infrastructure) 10

Justin Grant, MPA, Public Infrastructure Administration and Support Services Interim Director THRU:

Joanne M. Chamberlain, Accountant II, Public Infrastrure Administration and Support Services FROM:

UT19 - 0511 FILE Quarterly Tonnage Report, Waste-to-Energy Facility, December 2018 SUBJECT:

REFERENCES:

Attached are the latest monthly totals for Solid Waste and Ash processed at the Pasco County Waste-To-Energy Facility. This report is provided quarterly, but presented by month, with daily averages.

Current Quarter's ratio of ash to waste by month: This Fiscal Year's monthly average ratio ash to waste =	Oct. 24%	Nov. 23%	Dec. 23%	23%
Current Quarter's processable waste by month;	27,678	27,678 30,806 31,685 Tons	31,685	Tons
Current Quarter's Recycling totals by month:	617.46	617.46 705.13 731.47 * Tons	731.47	* Tons

23%

* as of October 2011, this figure is based on Recycling hauled out

FY 2019 DIVERTED WASTE:

Tons Bypassed to SW Cells (Not Included in WTE Report Tonnage) Tons Hauled Out of County (Not Included in WTE Tonnage) 4,134

MSW ACTIVITY:

Total MSW for Fiscal Year	Tons of MSW delivered to the Waste-to-Energy Facility during FY	Tons of MSW Bypassed to the SW Cells during EV	Tons of MSW Hauled out of the County during FY
FY 18 378,733	341,122	15,093	22,518
FY 17 364,947	339,615	0	25,333
FY 16 354,273	342,645	3,156	8,472
FY 15 338,197	337,622	0	575
FY 14 324,260	323,065	0	1,196

John Power, Solid Waste Facility Director Justin Roessler, Assistant Solid Waste Director Rachelle Dobbs, Recycling Supervisor CC:

Mission: Providing our community, customers, and future generations with high quality, efficient, and innovative water, wastewater, and solid waste services

Pasco County Waste - to - Energy Tonnage Report

MONTH/ YEAR	TONS	DAILY AVG	EAST PASCO TONNAGE HAULED OUT (Info Only)	LOADS	TONS	DAILY AVG	TOTAL PASCO	DAILY AVG	WASTE	DO DAILY AVG	PROCESSABLE TOTAL TONS	DAILY AVG	TOTAL TONS	DAILY AVG	% ASH/ MSW	RECYCLING TOTAL TONS	MONTHLY GEN	NATTS 12 MONTH ROLLING AVERAGE
Oct-18 Nov-18 Dec-18 Jan-19 Feb-19 Mar-19 Apr-19 Jun-19 Jun-19 Jul-19 Aug-19 Sep-19	24,600.84 23,792.76 24,223.27	793.58 793.09 781.40	3,896.68 237.05 0.00	145 326 341	3,077.07 7,013.06 7,461.50	99.26 233.77 240.69	27,677.91 30,805.82 31,684.77	892.84 1.026.86 1,022.09	0.00 0.00 0.00	0.00 0.00 0.00	27,677.91 30,805.82 31,684.77	892.84 1,026.86 1,022.09	6,679.64 7,128.17 7,299.03	215.47 237.61 235.45	0.24 0.23 0.23	617.46 705.13 731.47	15.54 23.55 not yet availabl	21.67 21.75
Total 19 Average19	72,616.87 24,205.62	789.35	4,133.73 1,377.91	812 271	17,551.63 5,850.54	191.24	90,168.50 30,056.17	980.60	0.00	0.00	90,168.50 30,056,17	980.60	21,106.84 7,035.61	229.51	0.23	2,054.06 684.69	39.08 19.54	

MONTH/ YEAR	TONS	DAILY AVG	EAST PASCO TONNAGE HAULED OUT (Info Only)	LOADS	TONS	DAILY AVG	TOTAL	DAILY AVG	WASTE	DO DAILY AVG	PROCESSABLE TOTAL TONS	DAILY AVG	TOTAL TONS	DAILY AVG	ASH/ MSW	RECYCLING TOTAL TONS	MEGA MONTHLY GEN.	WATTS 12 MONTH ROLLING AVERAGE
Oct-15	24,937.97	804.45	0.00	154	3,283.94	105.93	28,221.91	910.38	0.00	0.00	28,221.91	910.38	5,722.23	194 50	0.00	240.40	10.00	
Nov-15	21,212.18	707.07	0.00	289	6,119.90	204.00	27,332.08	911.07	0.00	0.00	27,332.08	911.07		184.59	0.20	242.49	16.36	21.56
Dec-15	23,363.61	753.66	0.00	331	7,027.99	226,71	30,391.60	980.37	0.00	0.00	30,391.60	(3C/1 15 G)	6,211.75	207.06	0.23	277.10	20.52	21.42
Jan-16	21,319.66	687.73	0.00	310	6,660,51	214.86	27,980.17	902.59	0.00	0.00	27,980.17	980.37	6,816.88	219.90	0.22	314.57	22.92	21.45
Feb-16	22,431.16	773.49	1,965.80	217	4,573.26	157.70	27,004.42	931.19	0.00	0.00	27,004.42	902.59 931.19	6,804.52	219.50	0.24	369.65	24.08	21.50
Mar-16	21,436.39	691.50	2,519.61	227	4,944.41	159.50	26,380.80	850.99	0.00	0.00	26,380.80		7,066.59	243.68	0.26	320.57	24.34	21.60
Apr-16	23,519.62	758.70	2,169.59	214	4,628.04	149.29	28,147.66	907.99	0.00	0.00	28,147.66	850.99 907.99	5,035.65	162.44	0.19	338.00	16.26	21.84
May-16	22,973.64	741.09	0.00	297	6,432.42	207.50	29,406.06	948.58	0.00	0.00	29,406.06	948.58	7,246.98	233.77	0.26	380.67	23.93	21.86
Jun-16	23,128.06	770.94	0.00	294	6,339.22	211.31	29,467.28	982.24	0.00	0.00	29,467.28	982.24	7,403.66	238.83	0.25	320.36	25.13	21.97
Jul-16	22,538.24	727.04	0.00	261	5,639.20	181.91	28,177.44	908.95	0.00	0.00	28,177.44	908.95	6,755.87	225.20	0.23	310.80	23.37	22.11
Aug-16	24,625.37	794.37	0.00	291	6,464.41	208.53	31,089.78	1,002.90	0.00	0.00	31,089.78	1,002.90	7,123.25	229.78	0.25	410.75	24.01	22.19
Sep-16	24,636.62	821.22	1.816.52	202	4,409.67	146.99	29,046.29	968.21	0.00	0.00	29,046.29	968.21	7,207.85 6,535.09	232.51 217.84	0.23	432.41 491.41	23.36 23.38	22.24 22.30
Total 16	276,122.52	1273 - 23	8,471.52	3,087	66,522.97		342,645.49		0.00		342,645.49		79,930.32		7.4	4,208.78	267.66	
Average16	23,010.21	752.60	705.96	257	5,543.58	181.18	28,553.79	933.79	0.00	0.00	28,553.79	933.79	6,660.86	217.92	0.23	350.73	22.30	
Oct-16	21,923.70	707.22	2,659.78	172	3,445.44	111,14	25,369.14	818.36	0,00	0.00	25,369.14	818.36	4,977.41	160,56	0.20	443.92	13.52	22.07
Nov-16	22,282.13	742.74	376.12	286	6,156.94	205.23	28,439.07	947.97	0.00	0.00	28,439.07	947.97	6,637.72	221.26	0.23	479.86	23.37	22.31
Dec-16	23,348.17	777.53	0.00	297	6,432.85	214.43	29,781.02	991.96	0.00	0.00	29,781.02	991.96	7,376.60	245.89	0.25	613.61	24.50	22,44
Jan-17	23,821.58	768.44	3,930,89	145	3,172.49	102.34	26,994.07	870.78	0.00	0.00	26,994.07	870.78	7,236.77	233.44	0.27	606.18	24.06	22.44
eb-17	21,706.46	775.23	4,585.43	73	1,589.20	56.76	23,295.66	831.99	0.00	0.00	23,295.66	831.99	6,531.49	233.27	0.28	554.80	23.33	22.35
Var-17	24,697.21	796.68	4,203.76	136	2,962.96	95.58	27,660.17	892.26	0.00	0.00	27,660.17	892.26	5,283.94	170.45	0.19	644.39	13.16	22.09
Apr-17	22,053.22	735.11	2,533.75	173	3,783.57	126.12	25,836.79	861.23	0.00	0.00	25,836.79	861.23	6,607.75	220.26	0.26	646.18	24.04	22.10
May-17	25,110.57	810.02	686.63	275	6,019,41	194.17	31,129.98	1,004.19	0.00	0.00	31,129.98	1,004.19	7,289.76	235.15	0.23	562.42	24.21	22.03
Jun-17	24,995.93	833.20	2,382.53	199	4,181.86	139.40	29,177.79	972.59	0.00	0.00	29,177.79	972.59	6,941.19	231.37	0.24	651.40	23.56	22.04
Jul-17	23,458.33	756.72	0.00	285	6,195.25	199.85	29,653.58	956.57	0.00	0.00	29,653.58	956.57	6,650.33	214.53	0.22	528.04	23.56	22.00
Aug-17	24,691.01	796.48	0.00	301	6,597.06	212.81	31,288.07	1,009.29	0.00	0.00	31,288.07	1,009,29	6,682.40	215.56	0,21	588.33	23.12	21.98
Sep-17	27,257.46	908,58	3,973.78	172	3,731.96	124.40	30,989.42	1,032.98	0.00	0.00	30,989.42	1,032.98	7,167.68	238,92	0.23	333.24	22.61	21.92
otal 17	285,345.77		25,332.67	2,514	54,268.99	10.00	339,614,76		0.00	1.0	339,614.76		79,383.04			6,652.37	263.05	
Average17	23,778,81	784.00	2,111.06	210	4,522.42	148.52	28,301.23	932.51	0.00	0.00	28,301.23	932.51	6,615.25	218.39	0.23	554.36	21.92	
Oct-17	24,449,62	788.70	6,574.18	6	112.67	3.63	24,562.29	792.33	0.00	0.00	24,562.29	792.33	5,305.45	171.14	0.22	526.36	14.98	22.04
Vov-17	24,249.26	808.31	792.68	279	6,017.67	200.59	30,266.93	1,008.90	0.00	0.00	30,266.93	1,008.90	7,044.69	234.82	0.23	575.01	22.53	22.04 21.97
Dec-17	22,843,90	736.90	2,640.50	194	4,148.95	133.84	26,992.85	870.74	0.00	0.00	26,992.85	870.74	6,734.91	217.26	0.25	732.89	23.34	21.88
an-18	24,956.87	805.06	6,028.07	70	1,493.72	48.18	26,450.59	853.24	0.00	0.00	26,450.59	853.24	7,556.99	243.77	0.29	707.45	23.05	21.79
eb-18	23,198.79	773.29	4,020.45	138	2,988.39	99.61	26,187.18	872.91	0.00	0.00	26,187.18	872.91	6,747.48	224.92	0.26	668.03	22.14	21.69
Nar-18	20,373.50	657.21	2,462.18	236	5,034.89	162.42	25,408.39	819.63	0.00	0.00	25,408.39	819.63	6,010.38	193.88	0.24	705.98	18.02	22.10
pr-18	23,294.37	776.48	0.00	335	7,223.91	240.80	30,518.28	1,017,28	0.00	0.00	30,518.28	1,017.28	6,652.15	221.74	0.22	661.48	22.08	21.93
/ay-18	20,009.94	645.48	0.00	333	7,230.65	233.25	27,240.59	878.73	0.00	0.00	27,240.59	878.73	7,930.52	255.82	0.29	689.93	23.94	21.91
un-18	24,149.13	804.97	0.00	305	6,614.11	220.47		1,025,44	0.00	0.00	30,763.24	1,025.44	6,940.41	231.35	0.23	715.46	20.79	21.68
ul-18	23,012.73	767.09	0.00	332	7,214,64	240.49	30,227.37	1,007.58	0.00	0.00	30,227.37	1,007.58	7,428.73	247.62	0.25	570.31	22.44	21,59
ug-18	26,262.28	847.17	0.00	330	7,154.50	230.79	33,416.78	1,077.96	0.00	0.00	33,416.78	1,077.96	7,765.86	250.51	0.23	682.98	22.79	21.56
Sep-18	22,850.11	761,67	0.00	291	6,237.35	207.91	29,087.46	969.58	0.00	0.00	29,087.46	969.58	7,735.40	257.85	0.27	637.65	23.38	21.62
otal 18	279,650.50	704.00	22,518.06		61,471.45	400 70	341,121.95	200 44	0.00	263	341,121.95	3.4	83,852.97			7,873.53	259.48	70 741
verage18	23,304.21	764.36	1,876.51	237	5,122,62	168.50	28,426.83	932.86	0.00	0.00	28,426.83	932.86	6,987.75	229.22	0.25	656.13	21.62	

MONTH/ YEAR	TONS	DAILY AVG	EAST PASCO TONNAGE HAULED OUT (Info Only)	LOADS	TONS	DAILY AVG	TOTAL PASCO	DAILY AVG	WASTE	DAILY AVG	PROCESSABLE TOTAL TONS	MASTE DAILY AVG	TOTAL TONS	DAILY AVG	% ASH/ MSW	RECYCLING TOTAL TONS	MEGA MONTHLY GEN.	WATTS 12 MONTH ROLLING AVERAGE
Oct-12	21,498.02	693.48	0.00	229	5,055.93	163.09	26,553.95	856.58	0.00	0.00	26,553.95	856.58	5,040.41	162.59	0.19	331.58	15.58	20.78
Nov-12	20,844.04	694.80	0.00	229	4,965.76	165.53	25,809.80	860.33	0.00	0.00	25,809.80	860.33	6,731.67	224.39	0.26	318.34	23.72	20.79
Dec-12	20,729.48	668.69	0.00	227	4,985.57	160.82	25.717.05	829.52	0.00	0.00	25,717.05	829.52	7,238.16	233.49	0.28	323.13	23.40	20.79
Jan-13	22,137.05	714.10	0.00	268	5,973.72	192.70	28,110.77	906.80	0.00	0.00	28,110.77	906.80	6,662.24	214.91	0.24	396.93	22.09	20.77
Feb-13	19,637.04	701.32	0.00	223	4,893.85	174.78	24,530.89	876.10	0.00	0.00	24,530.89	876.10	5,728.97	204.61	0.23	377.74	20.71	20.93
Mar-13	21,053.51	679.15	0.00	249	5,496.08	177.29	26,549.59	856.44	0.00	0.00	26,549,59	856.44	4,993.54	161.08	0.19	325.66	15.23	20.69
Apr-13	22,463.81	748.79	0.00	273	6,063.50	202.12	28,527.31	950.91	0.00	0.00	28,527.31	950.91	6,920.64	230.69	0.24	387.15	23.19	20.62
May-13	21,483.10	693.00	0.00	242	5,535.85	178.58	27,018.95	871.58	0.00	0.00	27,018.95	871.58	7,292.25	235.23	0.27	309.15	23.91	20.61
Jun-13	20,707.27	690.24	0.00	233	5,155.19	171.84	25,862.46	862.08	0.00	0.00	25,862.46	862.08	6,161.26	205.38	0.24	311.20	21.81	20.56
Jul-13	23,842.30	769.11	0.00	255	5,650.76	182.28	29,493.06	951.39	0.00	0.00	29,493.06	951.39	7,323.12	236.23	0.25	347.37	21.68	20.66
Aug-13	21,388.94	689.97	0.00	242	5,335.15	172.10	26,724.09	862,07	0.00	0.00	26,724.09	862.07	6,504.90	209.84	0.24	352.82	19.94	20.78
Sep-13	19,995.74	666.52	0.00	228	4,982.89	166.10	24,978.63	832,62	0.00	0.00	24,978.63	832.62	6,263.23	208.77	0.25	363.11	19.56	20.90
Total 13	255,780.30	53.5	0.00	2,898	64,094.25		319,876.55		0.00	1.53	319,876.55		76,860.39		2.4	4,144.18	250.83	
Average13	21,315.03	700.77	0.00	242	5,341.19	175.60	26,656.38	876.37	0.00	0.00	26,656.38	876.37	6,405.03	210.60	0.24	345.35	20,90	
Oct-13	20,927.91	675.09	0.00	249	5,524.55	178.21	26,452.46	853.31	0.00	0.00	26,452.46	853.31	4,973.40	160.43	0.19	369.17	14.86	20.84
Vov-13	19,773.80	659.13	0.00	233	5,204.16	173.47	24,977.96	832.60	0.00	0.00	24,977.96	832.60	7,047.89	234.93	0.28	347.08	22.80	20.77
Dec-13	21,364.24	689.17	0.00	285	6,337.92	204.45	27,702.16	893.62	0.00	0.00	27,702.16	893.62	6,995,33	225.66	0.25	326.87	23.04	20.74
Jan-14	20,790.92	670.67	0.00	275	6,080.30	196.14	26,871.22	866.81	0.00	0.00	26,871.22	866.81	5,930.14	191.29	0.22	450.74	21.92	20.72
eb-14	19,309.22	689.62	0.00	250	5,587.86	199.57	24,897.08	889.18	0.00	0.00	24,897.08	889.18	5,920.55	211.45	0.24	408.79	20.66	20.72
Mar-14	21,090.88	680.35	0.00	296	6,721.84	216.83	27,812.72	897.18	0.00	0.00	27,812.72	897.18	3,442.29	111,04	0.12	388.59	0.62	19.50
Apr-14	21,120.22	704.01	0.00	284	6,383.33	212.78	27,503.55	916.79	0.00	0.00	27,503.55	916.79	6,396.24	213.21	0.23	617.46	21.88	19.39
May-14	21,381.58	689.73	0.00	253	5,703.43	183.98	27,085.01	873.71	0.00	0.00	27,085.01	873.71	6,892.66	222.34	0.25	705.13	22.91	19.31
Jun-14	24,209.24	806.97	1,195.50	206	4,522.63	150.75	28,731.87	957.73	0.00	0.00	28,731.87	957.73	6,651.99	221.73	0.23	731.47	21.67	19.29
Jul-14	22,068.26	711.88	0.00	258	5,791.77	186.83	27,860.03	898.71	0.00	0.00	27,860.03	898.71	7,760.80	250.35	0.28	353.23	23.37	19.44
Aug-14 Sep-14	20,218.17 21,765.65	652.20 725.52	0.00	250 255	5,443.54 5,743.53	175.60 191.45	25,661.71 27,509.18	827.80 916.97	0.00	0.00	25,661.71 27,509.18	827.80 916.97	6,905.28 6,548.30	222.75 218.28	0.27	381.22 340.22	23.47	19.73 19.91
Total 14	254,020.09		1,195.50	3,094	69,044.86		323,064.95		0.00		323,064.95		75,464.87		100	5,419,97	238.96	(3)5)
Average14	21,168.34	696.20	99.63	258	5,753.74	189.17	26,922.08	885.37	0.00	0.00	26,922.08	885,37	6,288.74	206.96	0.23	451.66	19.91	
Oct-14	21,440.98	691.64	0.00	275	5,861.08	189.07	27,302.06	880.71	0.00	0.00	27,302.06	880.71	5,237.49	168.95	0.19	327.40	14.83	19.91
Nov-14	19,182.38	639,41	0.00	245	5,354.51	178.48	24,536.89	817.90	0.00	0.00	24,536.89	817.90	6,067.99	202.27	0.25	420.39	22.20	19.86
Dec-14	23,630.53	762.28	0.00	317	6,870.62	221.63	30,501.15	983.91	0.00	0.00	30,501.15	983.91	6,530.63	210.67	0.21	407.98	22.50	19.82
an-15	22,255.21	717.91	0.00	293	6,387.76	206.06	28,642.97	923.97	0.00	0.00	28,642.97	923.97	6,548.92	211.26	0.23	495.71	23.53	19,95
eb-15	19,681.98	702.93	0.00	267	5,884.78	210.17	25,566.76	913.10	0,00	0.00	25,566.76	913.10	6,337.37	226.33	0.25	357.17	23.06	20.15
Nar-15	24,028.75	775.12	575.06	294	6,644.36	214.33	30,673.11	989.46	0.00	0.00	30,673.11	989.46	4,654.86	150.16	0.15	384.56	13.36	21.21
pr-15	22,126.72	737.56	0.00	299	6,798.35	226.61	28,925.07	964.17	0.00	0.00	28,925.07	964.17	6,528.72	217.62	0,23	390.91	23.72	21.37
/lay-15	21,425.59	691.15	0.00	259	5,766.89	186.03	27,192.48	877.18	0.00	0.00	27,192.48	877.18	7,091.90	228.77	0.26	398.13	23.81	21.44
un-15	22,612.79	753.76	0.00	276	6,124.56	204.15	28,737.35	957.91	0.00	0.00	28,737.35	957.91	6,338.58	211.29	0.22	337.63	21.71	21,44
ul-15	23,316,57	752.15	0.00	266	6,001.41	193.59	29,317.98	945.74	0.00	0.00	29,317.98	945.74	7,085,65	228.57	0.24	341.88	23.09	21.42
lug-15	22,541.07	727.13	0.00	269	6,158.58	198.66	28,699.65	925.80	0.00	0.00	28,699.65	925.80	7,039.96	227.10	0.25	363.26	22.74	21.36
Sep-15	21,834.43	727.81	0.00	252	5,691.75	189.73	27,526.18	917.54	0.00	0.00	27,526.18	917.54	7,259.31	241.98	0.26	348.07	22.57	21.43
otal 15	264,077.00	1.55	575,06	3,312	73,544.65		337,621,65	- W De 1	0.00		337,621.65	100	76,721.38			4,573.09	257.14	
verage15	22,006,42	723.24	47.92	276	6,128.72	201.54	28,135.14	924.78	0.00	0.00	28,135.14	924.78	6,393.45	210.41	0.23	381.09	21.43	

MONTH/	WEST PAS	DAILY	EAST PASCO TONNAGE	- C. B. C.	EAST PASCO	DAILY	TOTAL	DAILY	HERNAN	DAILY	PROCESSABLE TOTAL	DAILY	TOTAL	DAILY	% ASH/	RECYCLING TOTAL	MEGA MONTHLY	WATTS 12 MONTH
YEAR	TONS	AVG	(Info Only)	LOADS	TONS	AVG	PASCO	AVG	WASTE	AVG	TONS	AVG	TONS	AVG	MSW	TONS	GEN.	ROLLING AVERAGE
Oct-09	21,180.31	683.24	579.65	224	4,689,85	151.29	25,870.16	834.52	1,131.26	36.49	27,001.42	871.01	4,986.25	160.85	0.18	276.07	12.28	19.50
Nov-09	18,327.79	610.93	5,462.28	39	835.06	27.84	19,162.85	638.76	1,557.75	51.93	20,720.60	690.69	5,685.49	189.52	0.27	253.02	15.08	19.05
Dec-09	24,929.69	804.18	3,528.17	125	2,738.73	88.35	27,668.42	892.53	1,738.08	56.07	29,406.50	948.60	8,889.75	286.77	0.30	317.48	24.14	19.20
Jan-10	20,943.53	675.60	3,765.62	102	2,280.66	73.57	23,224.19	749.17	1,684.42	54.34	24,908.61	803.50	6,716.77	216.67	0.27	332,22	22.04	19.29
Feb-10	20,347.53	726.70	3,163.23	110	2,447.53	87.41	22,795.06	814.11	1,659.21	59.26	24,454.27	873.37	6,700.33	239.30	0.27	309.11	22.70	19.35
Mar-10	25,477.85	821.87	4,766.10	117	2,572.59	82.99	28,050.44	904.85	2,013.48	64.95	30,063.92	969.80	7,149.46	230.63	0.24	327.01	20.86	20.09
Apr-10	21,496.75	716.56	8,074.10	5	112.08	3.74	21,608.83	720.29	1,870.88	62.36	23,479.71	782.66	4,223.04	140.77	0.18	304.74	10.55	19.00
May-10	25,555.46	824.37	3,285.96	116	2,468.65	79.63	28,024.11	904.00	1,742.49	56.21	29,766.60	960.21	9,038.49	291.56	0.30	273.65	23.61	19.15
Jun-10	21,996.23	733.21	0.00	246	5,364.54	178.82	27,360.77	912.03	1,829.57	60,99	29,190.34	973.01	7,315.29	243.84	0.25	278.81	23.18	19.28
Jul-10	22,219.65	716.76	0.00	231	4,975.42	160.50	27,195.07	877.26	1,836.12	59.23	29,031.19	936.49	7,407.31	238.95	0.26	289.54	22.37	19.85
Aug-10	23,004.90	742.09	0.00	229	5,080.87	163.90	28,085.77	905.99	1.849.12	59.65	29,934.89	965.64	7,295.74	235.35	0.24	267.65	21.30	19.97
Sep-10	20,800.48	693.35	1,806.35	136	3,003.45	100.12	23,803,93	793.46	1,596.96	53.23	25,400.89	846.70	7,326.15	244.21	0.29	280.57	23.26	20.11
Total 10	266,280.17	20.00	34,431.46	1,680	36,569.43		302,849.60		20,509.34	100	323,358.94		82,734.07		3.1	3,509.87	241.37	
Average10	22,190.01	729.07	2,869.29	140	3,047.45	99.84	25,237.47	828.92	1,709.11	56.22	26,946.58	885.14	6,894.51	226.53	0.26	292.49	20.11	
Oct-10	17,909.66	577.73	4,346.34	13	265.02	8.55	18,175.27	586.28	0.59	0.02	18,175.27	586.30	4,160.13	134.20	0.23	270.18	11.72	20.07
Vov-10	24,637.35	821.25	466.74	111	2,439.91	81.33	27,077.26	902.58	0.00	0.00	27,077.26	902.58	7,310.48	243.68	0.27	276.20	23.88	20.80
Dec-10	23,650.70	762.93	0.00	241	5,245.42	169.21	28,896.12	932.13	0.00	0.00	28,896.12	932.13	8,022.12	258.78	0.28	309.78	21.71	20.60
Jan-11	21,474,94	692.74	0.00	262	5,853.45	188.82	27,328.39	881.56	0.00	0.00	27,328.39	881.56	6,763.71	218.18	0.25	309.38	21.58	20.56
eb-11	20,480.04	731.43	0.00	240	5,323.67	190.13	25,803.71	921.56	0.00	0.00	25,803.71	921.56	6,542.47	233.66	0.25	275.50	23.79	20.65
Mar-11	21,972.72	708.80	0.00	312	6,941.55	223.92	28,914.27	932.72	0.00	0.00	28,914.27	932.72	6,453.41	208.17	0.22	332.08	19.85	20.57
Apr-11	23,416.69	780.56	2,531.82	161	3,517.21	117.24	26,933.90	897.80	0.00	0.00	26,933.90	897.80	5,201,95	173.40	0.19	310.28	13.43	20.81
May-11	26,260.08	847.10	0.00	232	5,062.33	163.30	31,322.41	1,010.40	0.00	0.00	31,322.41	1,010.40	8,953.86	288.83	0.29	286.99	24.24	20.86
Jun-11	20,625.71	687.52	0.00	226	5,006.81	166.89	25,632,52	854.42	0.00	0.00	25,632.52	854.42	7,263.76	242.13	0.28	291.88	23.28	20.87
Jul-11	20,129.21	649.33	0.00	220	4,870.67	157.12	24,999.88	806.45	0.00	0.00	24,999.88	806.45	6,671.64	215.21	0.27	268.21	21.80	20.82
Aug-11	22,198.98	716.10	0.00	231	5,118.22	165.10	27,317.20	881.20	0.00	0.00	27,317.20	881.20	7,165.84	231.16	0.26	285.02	20.21	20.73
Sep-11	20,698.35	689.95	0.00	216	4,756.15	158.54	25,454.50	848.48	0.00	0.00	25,454.50	848.48	6,748.25	224.94	0.27	274.12	22.09	20.63
Total 11	263,454.43	200.10	7,344.90	2,465	54,400.41	.42.40	317,855.43	100.00	0.59		317,855.43		81,257.62			3,489.62	247.58	
Average11	21,954.54	722.12	612.08	205	4,533.37	149.18	26,487.95	871.30	0.05	0.00	26,487.95	871.30	6,771.47	222.70	0.25	290.80	20.63	
Oct-11	19,732.17	636.52	0.00	217	4,776.34	154.08	24,508,51	790.60	0.00	0.00	24,508.51	790.60	4,764.54	153.69	0.19	245.48	13.45	20.78
Nov-11	20,731.22	691.04	0.00	231	5,110.60	170.35	25,841.82	861.39	0.00	0.00	25,841.82	861.39	6,727.09	224.24	0.26	290.48	23.56	20.75
Dec-11	20,739.42	669.01	0.00	239	5,259.97	169.68	25,999.39	838.69	0.00	0.00	25,999.39	838.69	7,200.92	232.29	0.28	342.21	22.88	20.85
an-12	20,797.58	670.89	0.00	250	5,451.30	175.85	26,248.88	846.74	0.00	0.00	26,248.88	846.74	6,908.97	222.87	0.26	341.10	22,86	20.95
eb-12	20,373,11	702.52	0.00	236	5,277.71	181.99	25,650.82	884.51	0,00	0.00	25,650.82	884.51	5,951.54	205.23	0.23	281.42	18.85	20.54
/lar-12	22,771.24	734.56	0.00	273	6,050.52	195.18	28,821.76	929.73	0.00	0.00	28,821.76	929.73	5,655.72	182.44	0.20	353.28	18.08	20.39
pr-12	21,028.65	700.96	0.00	243	5,393.95	179.80	26,422.60	880.75	0.00	0.00	26,422.60	880.75	6,815.60	227.19	0.26	327.72	23.99	21.27
/lay-12	21,680.33	699.37	0.00	230	5,057.24	163.14	26,737.57	862.50	0.00	0.00	26,737.57	862.50	7,157.43	230.88	0.27	319.76	24.13	21.26
un-12	22,920.46	764.02	0,00	226	4,978.70	165.96	27,899.16	929.97	0.00	0.00	27,899.16	929.97	6,790.95	226.37	0.24	344.62	22.37	21.19
ul-12	23,225.72	749,22	0.00	228	5,061.49	163.27	28,287.21	912.49	0.00	0.00	28,287.21	912.49	6,623.27	213.65	0.23	307.82	20.47	21.08
ug-12	22,545.47	727.27	0.00	227	5,022.33	162.01	27,567.80	889.28	0.00	0.00	27,567.80	889.28	5,953.22	192.04	0.22	306.89	18.48	20.93
Sep-12	19,741.69	658.06	0.00	197	4,383.66	146.12	24,125.35	804.18	0.00	0.00	24,125.35	804.18	5,776.06	192.54	0.24	255.44	18.12	20.60
otal 12	256,287.06	700.00	0.00	2,797	61,823.81	400 05	318,110.87	200	0.00	- ++	318,110.87	Satar	76,325.31			3,716.22	247.23	
verage12	21,357.26	700.29	0.00	233	5,151.98	168.95	26,509.24	869.24	0.00	0.00	26,509.24	869,24	6,360.44	208.62	0.24	309.69	20.60	

	WEST PAS		EAST PASCO	E	AST PASCO		1		HERNAN	DO I	PROCESSABLE	WASTE	ASH	()	%	RECYCLING	MEGA	WATTS
MONTH/ YEAR	TONS	AVG	TONNAGE HAULED OUT (Info Only)	LOADS	TONS	DAILY	TOTAL PASCO	DAILY AVG	WASTE	DAILY AVG	TOTAL	DAILY AVG	TOTAL TONS	DAILY AVG	ASH/ MSW	TOTAL TONS	MONTHLY GEN.	12 MONTH ROLLING AVERAGE
Oct 06	10,546.93	340.22		276	5,215,40	168.24	15,762.33	508.46	0.00	0.00	15,762.33	508.46	4,030.48	130.02	0.26	200.00	0.45	40.00
Nov 06	25,296.95	843.23		288	5,709.93	190.33	31,006.88	1,033.56	0.00	0.00	31,006.88	1,033,56	7,683.51		0.26	228.88	8.45	19.92
Dec 06	19,857.49	640.56		281	5,633.48	181.73	25,490.97	822.29	0.00	0.00	25,490.97	822.29	7,966.88	256.12 257.00	0.25	225.47	22.40	19.87
Jan 07	22,938.13	739.94		356	7,247.13	233.78	30,185.26	973.72	0.00	0.00	30,185.26	973.72	8,224.81	265.32	0.31	259.18	22.57	19.81
Feb 07	13,576.88	484.89		310	6,240.02	222.86	19,816.90	707.75	0.00	0.00	19,816.90	707.75	5,483.85	195,85	0.27	243.61	21.63	19.78
Mar 07	19,791.48	638.43		350	7,066.48	227.95	26,857.96	866.39	0.00	0.00	26,857.96	866.39	7,836.05	252.78	0.28	208.40	13.77	20.38
Apr 07	22,508.49	750.28		353	6,675.67	222.52	29,184,16	972.81	0.00	0.00	29,184.16	972.81	8,589.91	286.33	0.29	244.80	23.23	20.40
May 07	24,610.06	793.87		337	6,272.69	202.34	30,882.75	996.22	0.00	0.00	30,882.75	996.22	8,418.52	271.57	0.29	226.46 229.16	24.82 23.27	20.55
Jun 07	23,005.95	766.87		299	5,877.92	195.93	28,883.87	962.80	0.00	0.00	28,883.87	962.80	7,970.70	265.69	0.28	212.60		20.48
Jul 07	24,871.95	802.32		317	6,419,59	207.08	31,291.54	1,009.40	0.00	0.00	31,291.54	1,009.40	8,066.03	260.19	0.26	231.48	22.41	20.49
Aug 07	25,329.78	817.09		306	6,188.37	199.62	31,518.15	1.016.71	0.00	0.00	31,518.15	1,016.71	8,224.14	265.29	0.26	232.59	21.54 23.27	20.35
Sep 07	19,561.70	652.06		273	5,513.92	183.80	25,075.62	835.85	0.00	0.00	25,075.62	835,85	7,737.57	257.92	0.31	214.03	22.62	20.55 20,83
Total 07	251,895.79	238.00		3,746	74,060.60		325,956.39		0.00	100	325,956.39		90,232.45		1 11	2,756.66	249.97	
Average07	20,991.32	689.15		312	6,171.72	203.02	27.163.03	892.16	0.00	0.00	27,163.03	892.16	7,519.37	247.01	0.28	229.72	20.83	
Oct-07	23,045.19	743.39	1,192.10	264	5,314.99	171.45	28,360.18	914.84	0.00	0.00	28,360.18	914.84	6,414.49	206.92	0.23	236.18	16.26	21.48
Nov-07	24,251.52	808.38	2,144.93	187	3,926.72	130.89	28,178.24	939.27	0.00	0.00	28,178.24	939.27	8,458.92	281.96	0.30	222.26	24.72	21.67
Dec-07	24,771.61	799.08	1,151.92	258	5,225.58	168.57	29,997.19	967.65	0.00	0.00	29,997.19	967.65	7,999,79	258.06	0.27	268.78	23.93	21.79
Jan-08 Feb-08	28,076.22	905.68	3,115.75	106	2,179.14	70.29	30,255.36	975.98	0.00	0.00	30,255.36	975,98	7,498.77	241.90	0.25	302.92	22.44	21.86
Mar-08	24,399.87 26,275.89	841.37 847.61	4,912.95	72	1,553.42	53.57	25,953.29	894.94	0.00	0.00	25,953.29	894.94	7,618.26	262.70	0.29	272.48	24.00	22.71
Apr-08	25,885.92	862.86	3,002.83	197	4,112.23	132.65	30,388.12	980.26	0.00	0.00	30,388.12	980.26	7,653.65	246.89	0.25	288.24	21.89	22.60
May-08	24,052.97	775.90	6,682.62 3,833.15	88	6.98 1,892.19	0.23	25,892.90	863.10	0.00	0.00	25,892.90	863.10	5,242.98	174.77	0.20	281.17	14.77	21.76
Jun-08	23,703.87	790.13	1,478.31	183	3,914.60	61.04 130.49	25,945.16 27,618.47	836.94	0.00	0.00	25,945.16	836.94	8,597.32	277.33	0.33	189.34	24.11	21.83
Jul-08	26,972.89	870.09	157.74	271	5,652.08	182.33	32,624.97	920.62 1,052.42	0.00	0.00	27,618.47	920.62	8,001.32	266.71	0.29	274.88	24.52	22.00
Aug-08	23,829.86	768.71	669.07	220	4,596.17	148.26	28,426.03	918.97	0.00	0.00	32,624.97 28,426.03	1,052.42 916.97	7,842.84 7,686.09	252.99	0.24	287.84	20.65	21.93
Sep-08	22,866.26	762.21	993.43	196	4,022.79	134.09	26,889.05	896.30	0.00	0.00	26,889.05	896.30	7,762.61	247.94 258.75	0.27	260.51 261.42	23.18 21.78	21.92 21.85
Total 08	298,132.07	1-7	29,334.80	2,045	42,396.89		340,528.96		0.00		340,528.96		90,777.04			3,146.02	262.25	
Average08	24,844.34	814.62	2,444.57	170	3,533.07	115,32	28,377.41	929.94	0.00	0.00	28,377.41	929.94	7,564.75	248.08	0.27	262.17	21.85	
Oct-08	23,076.17	744.39	678.06	232	4,672.71	150.73	27,748.88	895.13	0.00	0.00	27,748.88	895.13	6,658.72	214.80	0.24	274,34	16.38	21.86
Nov-08	20,314.76	677.16	914.67	199	3,869.03	128.97	24,183.79	806.13	0.00	0.00	24,183.79	806.13	6,493.18	216.44	0.27	247.67	20.39	21.50
Dec-08	23,992.83	773.96	1,663.04	222	4,607.44	148.63	28,600.27	922.59	0.00	0.00	28,600.27	922.59	7,869.64	253.86	0.28	308.95	22.42	21.38
lan-09	22,781.73	734.89	1,121.99	237	4,844.33	156.27	27,626.06	891.16	0.00	0.00	27,626.06	891.16	7,102.45	229.11	0.26	342.73	20.99	21.26
eb-09	20,852.55	744.73	2,120.20	165	3,418.60	122.09	24,271.15	866.83	0.00	0.00	24,271.15	866.83	6,939.37	247.83	0.29	301.51	21.97	21.09
Mar-09	24,253,15	782.36	6,136.12	19	371.68	11.99	24,624.83	794.35	0.00	0.00	24,624.83	794.35	5,046.67	162.80	0.20	359.08	12.01	20.26
Apr-09	23,567.97	785.60	5,857.72	15	323.12	10.77	23,891.09	796.37	0.00	0.00	23,891.09	796.37	7,662.90	255.43	0.32	350.98	23.58	21.00
/ay-09 lun-09	22,748.11 23,749.43	733.81 791.65	2,690.24	128	2,799.55	90.31	25,547.66	824.12	0.00	0.00	25,547.66	824.12	7,428.22	239.62	0.29	300.49	21.85	20.81
ul-09	23,644.42	762.72	1,940.37	167 179	3,608.95	120.30	27,358.38	911,95	0.00	0.00	27,358.38	911.95	7,840.18	261.34	0.29	291.82	21.55	20.56
lug-09	22,195.97	716.00	1,582.57 50.57	247	3,939.89	127.09	27,584.31	889.82	0.00	0.00	27,584.31	889.82	5,920.28	190.98	0.21	293.20	15.53	20.13
Sep-09	21,699,70	723.32	0.00	252	5,256,84 5,332.18	169.58 177.74	27,452.81 27,031.88	885.57 901.06	0.00	0.00	27,452.81 27,031.88	885.57 901.06	7,131.12 7,141.74	230.04	0.26	265.84 261.98	19.88 21.53	19.86 19.84
otal 09	272,876.79		24.755.55	2,062	43,044.32		315,921.11		0.00		315,921.11	-	83,234.47			11111111		10.01
verage09	22,739.73	747.55	2,062.96	172	3,587.03	117.87	26,326.76	865,42	0.00	0.00	26,326.76	865.42	6,936.21	228.36	0.26	3,598.59 299.88	238.06 19.84	
		2.							2.77		-5,525.70	0.00.72	0,000.21	220.00	0.20	299.00	19.04	

17-2-00	WEST PAS		EAST PASCO	E	AST PASCO		1		HERNAN	DO	PROCESSABLE	WASTE	ASI	1	%	RECYCLING	MEGA	WATTS
MONTH/ YEAR	TONS	DAILY AVG	TONNAGE HAULED OUT (Info Only)	LOADS	TONS	AVG	PASCO	AVG	WASTE	DAILY AVG	TOTAL	DAILY AVG	TOTAL	DAILY	ASH/ MSW	TOTAL	MONTHLY GEN.	12 MONTH ROLLING AVERAGE
Oct 03	21,907.80	706.70		294	6,350.01	204.84	28,257.81	911.54	0.00	0.00	28,257.81	911.54	9,230.21	297.75	0.33	187.25	23.50	21.63
Nov 03	20,972.68	699.09		275	5,933.04	197.77	26,905.72	896.86	0.00	0.00	26,905.72	896.86	8,164.05	272.14	0.30	167.03	23.40	21.88
Dec 03	22,771.81	734.57		332	6,967.23	224.75	29,739.04	959.32	0.00	0.00	29,739.04	959.32	8,143.00	262.68	0.27	208.89	23.40	21.81
Jan 04	22,552.24	727.49		343	7,337.80	236.70	29,890.04	964.19	0.00	0.00	29,890.04	964.19	8,120.39	261.95	0.27	228.03	23.28	22.33
Feb 04	21,419.69	764.99		323	6,905.32	246.62	28,325.01	1,011.61	0.00	0.00	28,325.01	1,011.61	7,641.34	272.91	0.27	204.61	20.94	22.29
Mar 04	22,345.65	720.83		414	8,820.53	284.53	31,166.18	1,005.36	0.00	0.00	31,166.18	1,005.36	6,353.84	204.96	0.20	238.11	14.96	21.60
Apr 04	21,089.12	702.97		380	8,077.21	269.24	29,166.33	972.21	0.00	0.00	29,166.33	972.21	8,135.55	271.19	0.28	231.78	23.16	21.65
May 04	21,556.48	695.37		335	7,157.13	230.88	28,713.61	926.25	0.00	0.00	28,713.61	926.25	8,478.76	273.51	0.30	193.86	22.89	21.64
Jun 04	22,481.91	749.40		332	7,290.70	243.02	29,772.61	992.42	0.00	0.00	29,772.61	992.42	8,077.51	269.25	0.27	200.61	21.65	21.55
Jul 04	22,884.54	738.21		327	7,170.58	231.31	30,055.12	969.52	0.00	0.00	30,055.12	969.52	8,506.18	274.39	0.28	191.95	21.55	
Aug 04	23,184.54	747.89		325	7,294.42	235.30	30,478.96	983.19	0.00	0.00	30,478.96	983.19	8,806.05	284.07	0.29	192.36	22.99	21.48
Sep 04	25,976.59	837.95		358	8,038.00	259.29	34,014.59	1,097.24	0.00	0.00	34,014,59	1,097.24	7,673.00	247.52	0.23	209.19	21.14	22.11 21.88
Total 04	269,143.05			4,038	87,341,97		356,485.02		0.00		356,485.02	The said	97,329.88	a disposal		2,453.67	262.55	
Average04	22,428.59	735.46		337	7,278.50	238.69	29,707.09	974.14	0.00	0.00	29,707.09	.974.14	8,110.82	266.02	0.27	204.47	21.88	
Oct 04	11,736.44	378.59		348	7,596.30	245.04	19,332.74	623.64	0.00	0.00	19,332.74	623.64	5,604.91	180.80	0.29	203.23	13.96	21.08
Nov 04	20,613.33	687.11		355	7,711.99	257.07	28,325.32	944.18	0.00	0.00	28,325.32	944.18	7,959.89	265.33	0.28	190.51	22.07	20.97
Dec 04	16,018.98	516.74		383	7,825.57	252.44	23,844,55	769.18	0.00	0.00	23,844.55	769.18	8,656.58	279.24	0.36	212.85	22.86	20.95
Jan 05	16,927.80	546.06		362	7,795.85	251,48	24,723.65	797.54	0.00	0.00	24,723.65	797.54	7,976.42	257.30	0.32	236.81	21.39	20.80
Feb 05	21,715.73	700.51		156	3,703.64	119.47	25,419,37	819.98	0.00	0.00	25,419.37	819.98	7,553.34	243.66	0.30	204.62	21.34	20.83
Mar 05	10,396.45	335.37		416	8,951.55	288.76	19,348.00	624.13	0.00	0.00	19,348.00	624.13	5,046.05	162.78	0.26	230.44	10.64	20.47
Apr 05	16,988.68	566,29		377	7,981.43	266.05	24,970.11	832.34	0.00	0.00	24,970.11	832.34	7,970.34	265.68	0.32	225.52	22.19	20.39
May 05	23,638.44	787.95		353	6,962.90	232.10	30,601.34	1,020.04	0.00	0.00	30,601.34	1,020.04	8,921.38	297.38	0.29	221.92	23.44	20.43
Jun 05	25,477.24	849.24		329	6,904.78	230.16	32,382.02	1,079.40	0.00	0.00	32,382.02	1,079.40	8,355.30	278.51	0.26	211.55	21.72	20.44
Jul 05	24,432.32	814.41		319	6,790.55	226.35	31,222.87	1,040.76	0.00	0.00	31,222.87	1,040.76	8,620.73	287.36	0.28	198.12	22.74	20.54
Aug 05	25,750.36	830.66		330	6,977.37	225.08	32,727.73	1,055.73	0.00	0.00	32,727.73	1,055,73	8,946.38	288.59	0.27	211.78	22.68	20.51
Sep 05	23,243,76	774.79		284	6,030.38	201.01	29,274.14	975.80	0.00	0.00	29,274.14	975.80	8,071.52	269.05	0.28	209.33	22.45	20.62
Total 05	236,939.53			4,012	85,232.31		322,171.84	Francis III	0.00		322,171.84		93,682.84			2,556.68	247.48	
Average05	19,744.96	648.98		334	7,102.69	232.92	26,847.65	881,89	0.00	0.00	26,847.65	881.89	7,806.90	256.31	0.29	213.06	20.62	
Oct 05	15,396,01	496.65		284	6,085.76	196.31	22,602.52	692.96	0.00	0.00	22,602.52	692.96	5,620.72	181.31	0.26	210.69	13.34	20,57
Nov 05	27,035,70	901.19		66	817.45	27.25	27,853.15	928.44	0.00	0.00	27,853.15	928.44	8,211.93	273.73	0.29	226.55	22.98	20.65
Dec 05	30,948,94	998.35		27	138.81	4.48	31,087.75	1,002.83	0.00	0.00	31,087.75	1,002.83	8,190.64	264.21	0.26	232.48	23.34	20.69
Jan 06	21,468.13	692.52		22	98.10	3.16	21,566.23	695.68	0.00	0.00	21,566.23	695.68	7,913.01	255.26	0.37	250.93	22.03	20.74
Feb 06	14,635.31	522,69		19	102.16	3.65	14,737.47	526.34	0.00	0.00	14,737.47	526.34	4,476.19	159.86	0.30	208.37	6.53	19.51
Mar 06	25,897.81	835.41		337	6,908.60	222.86	32,806.41	1,058.27	0.00	0.00	32,806.41	1,058.27	7,786.17	251.17	0.24	262.62	22.92	20.53
Apr 06	18,632.38	621.08		292	5,941.64	198.05	24,574.02	819.13	0.00	0.00	24,574.02	819.13	7,631,53	254.38	0.31	238.33	23.10	20.61
May 06	25,526.66	823.44		308	6,116.43	197.30	31,643.09	1,020.74	0.00	0.00	31,643.09	1.020.74	8,877.02	197.30	0.19	232.74	24.05	20.66
Jun 06	22,036.18	734.54		282	5,648.05	188.27	27,684.23	922.81	0.00	0.00	27,684.23	922.81	7,877.40	262.58	0.28	220.05	22.38	20.71
Jul 06	25,419.09	819.97	1	251	5,144.73	165.96	30,563.82	985,93	0.00	0.00	30,563.82	985.93	8,473.91	273.35	0.28	210.32	23.10	20.74
Aug 06	24,626.89	794.42		263	5,414.21	174.65	30,041.10	969.07	0.00	0.00	30,041.10	969.07	7,794.06	251.42	0.26	254.41	20.97	20.60
Sep 06	17,854.76	595.16		255	5,193.99	173.13	23,048.75	768,29	0.00	0.00	23,048.75	768.29	7,284.48	242.82	0.32	249.71	19.19	20.33
Total 06	269,477,86	72.3		2,406	47,609.93		318,208.54		0.00		318,208.54	-	90,137.06			2,797.20	243.94	
Average06	22,456.49	736.28		201	3,967.49	129.59	26,517.38	865.87	0.00	0.00	26,517.38	865.87	7,511.42	238.95	0.28	233.10	20.33	

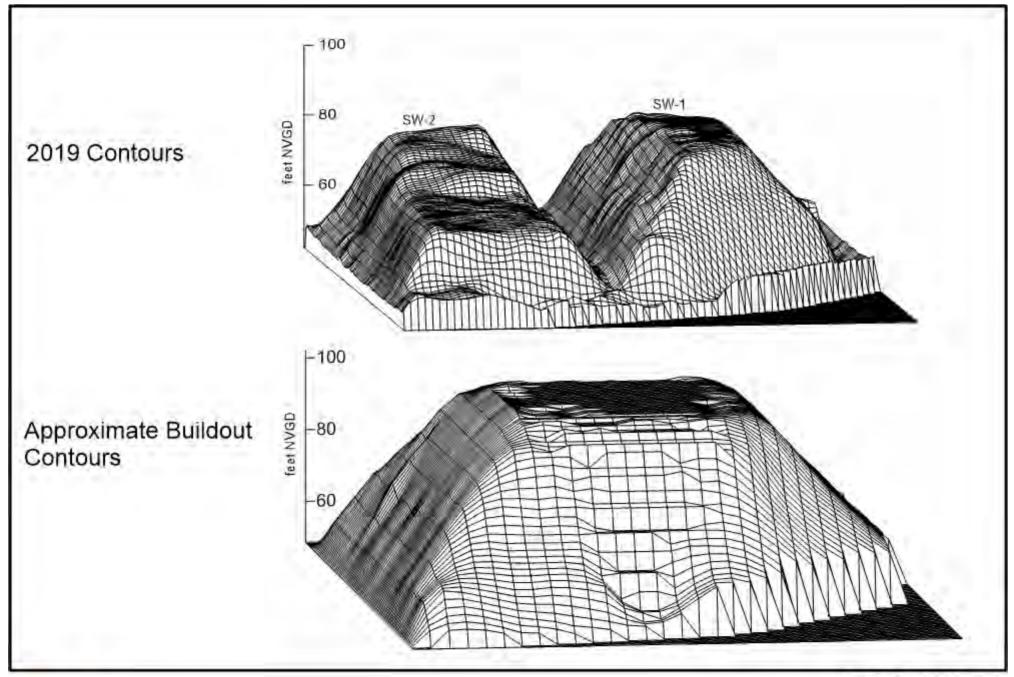
	WEST PAS			EAST PASCO				HERNAN	DO	PLANT	CITY	HILLSBO	ROUGH	SUMTE	R	CITR	us	PROCESSABL	FWASTE	ASH		%	RECYCLING	MEGA	MATTE
MONTH/ YEAR:	TONS	AVG	LOADS	TONS	DAILY	PASCO	DAILY	WASTE	DAILY	WASTE	DAILY	WASTE	DAILY	WASTE	DAILY	WASTE	DAILY	TOTAL TONS	DAILY	TOTAL TONS	DAILY	ASH/ MSW	TOTAL TONS	MEGA MONTHLY GEN	WATTS 12 MONT ROLLING AVERAGE
Oct 00	17,608.74	568.02	334		163.02	22,662.35	731.04	2,924.19	94.33	2,118,51	68.34	0.00	0.00	0.00	0.00	0.00	0.00	27,705.05	893.71	5,435.60	175.34	0.20	183.12	14.05	
Nov 00	17,291.86	576.40	369	0,0,0,0,0	196.40	23,183.93	772.80	2,733.58	91.12	2,066.29	68.88	0.00	0.00	0.00	0.00	0.00	0.00	27,983.80	932.79	8,294.53	276.48	0.30	193.41	25.84	1,515
Dec 00	16,628.92	536.42	360	240,000,000	184.58	22,350.76	720.99	2,725.21	87.91	2,061.24	66.49	0.00	0.00	0.00	0.00	0.00	0.00	27,137.21	875.39	7,743.33	249.78	0.29	200.16	23.89	
Jan 01	18,736.13	604.39	399	14.84.500.44	205.10	25,094.30	809.49	3,192,44	102.98	2.256.93	72.80	0.00	0.00	0.00	0.00	0.00	0.00	30,543.67	985.28	8,585.58	276.95	0.28	232.66	24.25	
Feb 01	18,491.68	660.42	371		214.78	24,505.48	875.20	2,932.30	104.73	2,020.83	72.17	0.00	0.00	22.63	0.81	0.00	0.00	29,458.61	1,052.09	7,550.85	269.67	0.26	209.70	25.09	-
Mar 01	18,389.54	593.21	456		237.89	25,764.06	831.10	3,158.57	101.89	2,595,95	83.74	0.00	0.00	0.00	0.00	0.00	0.00	31,518.58	1,016.73	8,125.29	262.11	0.26	240.79	22.30	
Apr 01	16,385,88	546.20	393	7 1777	208.93	22,653,79	755.13	3,057,81	101,93	2,194.39	73.15	0.00	0.00	0.00	0.00	0.00	0.00	27,905.99	930.20	7,918.56	263.95	0.28	219.32	22.93	
May 01	8,777.52	283.15	382	445 16 16 16 16 16	193,29	14,769,42	476.43	1,569.90	50.64	2,176.86	70.22	0.00	0.00	0.00	0.00	0.00	0.00	18,516.18	597.30	5,701.30	183.91	0.31	208.60	14.98	21.6
Jun 01	18,992.74	633.09	364	5,573,56	185.79	24,566,30	818.88	0.00	0.00	2,315.43	77.18	0.00	0.00	0.00	0.00	0.00	0.00	26,881.73	896.06	7,934.15	264.47	0.30	190.56	22.31	21.8
Jul 01	20,798.19	670.91	371	5,624.45	181.43	26,422.64	852.34	0.00	0.00	2,437.41	1000	0.00	0.00	0.00	0.00	0.00	0.00	28,860.05	930.97	8,766.29	282.78	0.30	187.53	21.88	21.6
Aug 01	20,775.34	670.17	385	5,621.69	181.34	26,397.03	851,52	0.00	0,00	2,501.88		0.00	0.00	0.00	0.00	0.00	0.00	28,898.91	932.22	8,426.93	271.84	0.29	197.70	21.48	
Sep 01	19,161.68	638.72	348	5,209.76	173.66	24,371.44	812.38	0.00	0.00	2,200.55	73.35	0.00	0.00	0.00	0.00	0.00	0.00	26,571.99	885.73	8,176.71	272.56	0.31	169.00	22.82	-
Total 01	212,038.22	504.70	4,532			282,741.50	200	22,294.00	-5x 53	26,946.27		0.00		22.63	7.4	0.00	200	331,981,77		92,659.12		5-1	2,432.55	261,81	
Average01	17,669.85	581.76	378	5,891.94	193.85	23,561.79	775.61	1,857.83	61.29	2,245.52	73.80	0.00	0.00	1.89	0.07	0.00	0,00	27,665.15	910.71	7.721.59	254.15	0.28	202.71	21.82	
Oct 01	20,379.01	657.39	370	-100	178.53	25,913.51	835.92	0.00	0.00	2,305.17	12 12 51	0,00	0.00	0.00	0.00	0.00	0.00	28,218.68	910.28	6,727.09	217.00	0.24	188.14	14.87	21.89
Nov 01	18,791.62	626,39	366	5,662.29	188.74	24,453.91	815,13	0.00	0.00	2,205.50	73,52	0.00	0.00	0.00	0.00	0.00	0.00	26,659.41	888,65	7,414.02	247.13	0.28	197.67	22.10	21.5
Dec 01	18,995.06	612.74	372		184.39	24,711.20	797.14	0.00	0.00	2,282.05	37-71-02	0.00	0.00	0.00	0.00	0.00	0.00	26,993.25	870.75	8.014.20	258.52	0.30	186.97	23.87	21.5
Jan 02	21,146,97	682.16	416		212.81	27,744.20	894.97	0.00	0.00	2,393.67		0.00	0.00	0.00	0.00	0.00	0.00	30,137.87	972.19	8,124.15	262.07	0.27	235.98	21.87	21.3
Feb 02	19,033.84	679,78	362	5,827.00	208.11	24,860,84	887 89	0.00	0.00	2,225.23	100 000 100	0.00	0.00	0.00	0.00	0.00	0.00	27.086.07	967.36	7,355.20	262.69	0.27	199.16	22.72	21.18
Mar 02	21,388.13	689.94	424	6,647.97	214.45	28,036.10	904.39	0.00	0.00	2,487.14	1000	0.00	0.00	0.00	0.00	0.00	0.00	30,523.24	984.62	7,455,75	240.51	0.24	214.94	21.88	21.14
Apr 02	22,061.82	735.39	419	4.00	215.86	28,537.76	951.26	0,00	0.00	2,600.72		0.00	0.00	0.00	0.00	0.00	0.00	31,138.48	1,037.95	8,089.54	269.65	0.26	248.63	22.04	21.07
May 02	17,538.90	565.77	383	5,691.56	183.60	23,230.46	749,37	0.00	0.00	2,522.53		0.00	0.00	0.00	0.00	0.00	0.00	25,752.99	830.74	7.265.80	234.38	0.28	207.91	19.31	21,43
Jun 02	6,827.76	227.59	395	6,082.16	202.74	12,909.92	430.33	0.00	0.00	121111222	82.30	0.00	0,00	0.00	0.00	0.00	0.00	15,378.91	512.63	3,610.66	120.36	0.23	183.79	6.95	20.15
Jul 02	21,292.03	686.84	426	6,691.30	215.85	27,983.33	902.69	0.00	0.00	2,608.19		0.00	0.00	0.00	0.00	0.00	0.00	30,591.52	986.82	8,632.40	278.46	0.28	196.93	21.76	20.14
Aug 02	21,366.64	689.25	392	6,022.19	194.26	27,388.83	883.51	0.00	0,00	2,464.26		0.00	0.00	0.00	0.00	0.00	0.00	29,853.09	963.00	8,373.36	270.11	0.28	196.70	21.82	20.17
Sep 02	20,926.76	675.06	374	5,845.75	188,57	26,772.51	863,63	0,00	0.00	2,277.03	73.45	0.00	0.00	0.00	0.00	0.00	0.00	29,049.54	937.08	8,687.89	280.25	0.30	193.45	23.21	20.20
otal 02	229,748,54	607.06	4,699	72,794.03	100.00	302,542.57		0.00	1000	28,840.48	45.65	0.00	23	0.00		0.00	501	331,383.05		89,750,06	29		2,450.27	242.38	
Average02	19,145.71	627.36	392	6,066.17	198.99	25,211.88	826.35	0.00	0.00	2,403.37	78.82	0.00	0.00	0.00	0.00	0.00	0.00	27,615,25	905,17	7,479.17	245.09	0.27	204.19	20.20	
Oct 02 Nov 02	20,783.03	670.42	418	6,563.13	211.71	27,346,16	882.13	0.00	0.00	2,512.95		0.00	0.00		0.00	0.00	0.00	29,859.11	963.20	7,165.25	231.14	0.24	210.48	14.65	20.18
Dec 02	19,402.73 21,642.76	646.76 698.15	384	6,155,20	205.17	25,557.93	851.93	0.00	0.00	2,150.71		0.00	0.00	0.00	0.00	0.00	0.00	27,708.64	923.62	7,566.44	252,21	0.27	208.35	20.47	20.04
an 03		2000	395	6,785.42	218.88	28,428.18	917.04	0.00	0.00	2,675.91		0.00	0.00	0.00	0.00	0.00	0.00	31,104.09	1,003.36	8,505.26	274.36	0.27	198.68	23.87	20.04
eb 03	20,844.62	672,41	320	6,628.12	213.81	27,472.74	886.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	27,472,74	886.22	6,768.12	218.33	0.25	236.83	17.06	19.64
Mar 03	20,124.34	718.73	307	6,451,19	230,40	26,575.53	949,13	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0.00	0,00	26,575.53	949.13	7,267.98	259.57	0.27	211.58	21.43	19.54
pr 03	24,129.00	778,35	389	8,205.28	264.69		1,043.04	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0,00	0.00	0.00	32,334.28	1,043.04	8,936,85	288,29	0.28	229.31	23.30	19.65
May 03	22,272.56 21,440.00	742.42 691.61	335	6,934.84	231.16	29,207.40	973.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29,207.40	973.58	8,212.96	273.77	0.28	232.25	22.51	19.69
un 03	21,341.82		311	6,373.03	205.58	27,813.03	897.19	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27,813.03	897.19	8,507.66	274.44	0.31	203.34	22.98	20.00
ul 03	22,393.41	711.39 746.45	292	6,111.42	203.71	27,453.24	915.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27,453.24	915,11	8,796.12	293.20	0.32	176.59	22.72	21.31
ug 03	20,996,35	699.88	307	6,476.41	215.88	28,869.82	962.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28,869.82	962.33	9,105.20	303.51	0.32	181.15	22.47	21.37
iep 03	21,239.93	708.00	288 294	6,052.84 6,179.85	201.76	27,049.19	901.64	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	27,049.19 27,419.78	901.64	6,455.99 9,332.65	215.20 311.09	0.24	180.28	15.43	20.84
otal 03	256,610.55		4,040	78,916,73	-	335 507 50		0.00		7 220 57			2.20		***		3.00	77. 77.40	310,44		311.00	0.34	182.61	23,88	20.90
verage03	21,384.21	707.05	337	6,576.39	217.40	335,527.28 27,960.61	924.44	0.00	0.00	7,339.57 611.63	19.92	0.00	0.00	0.00	0.00	0.00	0.00	342,866.85 28,572.24	944.37	96,620.48 8,051.71	266.26	0.28	2,451.45	250.76 20.90	

MONTH/	WEST PAS		E	AST PASCO	B4433			HERNAN		PLANT	7,0	HILLSBOR	(SUMTE		CITRI		PROCESSABL	E WASTE	ASH	0	%	RECYCLING	MEGA	WATTS
YEAR	TONS	AVG	LOADS	TONS	AVG	PASCO	AVG	WASTE	AVG	WASTE	AVG	WASTE	AVG	WASTE	AVG	WASTE	AVG	TOTAL	AVG	TOTAL	DAILY	ASH/ MSW	TOTAL	MONTHLY GEN.	12 MON ROLLIN AVERAG
Oct 97	15,513.19	500.43	319	5,216.93	168.29	20,730.12	668.71	3,119.90	100.64	1,936.72		0,00	0.00	0.00		0.00	0.00	25,786.74	831.83	5,223.16	168.49	0,20	235.81	14.49	
Nov 97	14,299.33	476.64	304	5,155.36	171.85	19,454.69	648.49	3,034.16	101.14	1,706.09		0.00	0.00	0.00	0.00	0.00	0.00	24,194.94	806.50	5,852.15	195.07	0.24	230.99	19.14	
Dec 97 Jan 98	13,768.74	444.15	361	5,930.27	191.30	19,699.01	635.45	3,188.62	102.86	2,273.56		0.00	0.00	423.40		0.00	0.00	25,584.59	825.31	5,362.75	172.99	0.21	278.83	15.14	19.4
Feb 98	13,853.89 16,107.24	446.90 575.26	367 353	6,275.10	202.42	20,128.99	649.32	3,079.81	99.35	2,045.54		0.00	0.00	0.00	0,00	0.00	0.00	25,254.34	814.66	6,292.45	202.98	0.25	315.48	18.76	19.0
Mar 98	13,627.77	439.61	395	5,767.77 6,359.52	205,99	21,875.01	781.25	3,194.20	114.08	1,930,89	102 2 4 5 5	0,00	0.00	0.00	0.00	0.00	0.00	27,000.10	964.29	5,368.49	191.73	0.20	254.59	17.69	18.7
Apr 98	11,339.37	377.98	341	5,784.79	192.83	19,987.29 17,124.16	644.75	3,042,53	98.15	2,326.96		0.00	0.00	0.00	0.00	0.00	0.00	25,356,78	817,96	5,561,54	179.40	0.22	297.38	15.66	18.4
May 98	13,124.30	423.36	273	4,855.94	156.64	17,124,16	570.81	3,094.58	103.15	1,925.08		0.00	0.00	0.00	0.00	0.00	0.00	22,143.82	738.13	5,821.09	194.04	0.26	300.49	17.16	18,1
Jun 98	21,583.05	719.44	301	4,656.96	155.23	26,240.01	580.01	3,002.16	96.84	1,883.42		0,00	0.00	110,49	3.56	0.00	0.00	22,865.82	737.61	6,529.26	210.62	0.29	247.54	20.18	18.0
Jul 98	18.401.73	593.60	326	5,104.27	164.65	and the second	874.67	3,055.19	101.84	2,062.02		0.00	0.00	0.00	0.00	0.00	0.00	31,357.22	1,045.24	8,580.40	286.01	0.27	239.95	22.71	18.4
Aug 98	19,112.60	616.54	290	4,594.11	148.20	23,506.00	758.26	3,262.17	105.23	2,086.57		0.00	0.00	0.00	0.00	0.00	0.00	28,854.74	930.80	7,506.85	242.16	0.26	234.88	19.58	18.3
Sep 98	23,347.27	778.24	307	4,900,80	163.36	28,248.07	764.73	3,104.06	100.13	1,949.60	100,000,000,000	0.00	0.00	0.00	0.00	0.00	0.00	28,760.37	927.75	8,059.42	259.98	0.28	207.90	20.56	18.3
	15.0	110.24	307	4,900,00	163.36	20,248.07	941,60	3,131.08	104.37	2,050.15	68.34	0.00	0.00	0.00	0.00	0.00	0.00	33,429.30	1,114.31	7,765.87	258.86	0.23	210,17	18.96	18.3
Total 98	194,078.48		3,937	64,601.82		258,680.30		37,308.46		24,176.60		0.00		533.89		0.00		320,588.76		77,923.43			3,054,01	220.02	
Average98	16,173.21	532.68	328	5,383.49	177.16	21,556.69	709.84	3,109,04	102,32	2,014.72	66.24	0.00	0.00	44.49	1.44	0.00	0.00	26,715.73	879.53	6,493.62	213.53	0.24	254.50	18:34	
Oct 98	14,667.38	473.14	317	5,107.30	164.75	19,774.68	637.89	2,929.82	94.51	1,988.08	64.13	0.00	0.00	0.00	0.00	0.00	0.00	24,692.58	796.53	6,323.34	203.98	0.26	219.57	17.11	18.5
Nov 98	14,754.34	491.81	312	5,098.87	169.96	19,853.21	661.77	2,929.13	97.64	1,949.52	64.98	0.00	0.00	0.00	0.00	0.00	0.00	24,731.86	824.40	7,269.20	242.31	0.29	204.33	21.52	18.7
Dec 98	21,597.22	696.68	367	5,761.07	185.84	27,358.29	882.53	3,148.87	101.58	2,088.04		0.00	0.00	0.00	0.00	0.00	0.00	32,595.20	1,051,46	8,356.99	269.58	0.26	240.60	23.85	19.4
Jan 99	17,213.04	555.26	351	5,723.07	184,62	22,936.11	739.87	3,111.49	100.37	1,975.48	63.73	0.00	0.00	0.00	0.00	0.00	0.00	28,023.08	903.97	7,548.65	243.50	0.27	251.26	22.75	19.8
Feb 99	15,919.94	568.57	333	5,460.20	195.01	21,380,14	763.58	2,969.13	106.04	1,851.58	66.13	0.00	0.00	0.00	0.00	0.00	0.00	26,200.85	935.74	6,737.37	240.62	0.26	221.26	22.75	20.2
Mar 99	12,498.81	403.19	416	6,696.45	216.01	19,195.26	619.20	3,151.08	101.65	2,419.25	78,04	0.00	0.00	0.00	0.00	0.00	0.00	24,765.59	798.89	7,002.06	225,87	0.28	260.11	19,30	20.5
Apr 99	12,625,31	420.84	377	6,176.59	205.89	18,801,90	626.73	3,106.92	103.56	2,042.14	68.07	0.00	0.00	0.00	0.00	0.00	0.00	23,950.96	798.37	5,684.31	189.48	0.24	248.91	16.06	20.4
May 99	12,938.85	417.38	354	5,686.16	183.42	18,625.01	600.81	2,963.97	95.61	2,084.93	67.26	0.00	0.00	0.00	0.00	0.00	0.00	23,673.91	763.67	7,435.24	239.85	0.31	203.95	22.21	20.6
Jun 99	17,857,04	595.23	359	5,885.79	196,19	23,742.83	791,43	3,137.76	104.59	2,251.67	75.06	0.00	0.00	0,00	0.00	0.00	0.00	29,132,26	971.08	7,227.83	240.93	0.25	218.98	20.74	20.45
Jul 99	17,240.03	556.13	339	5,395,02	174.03	22,635.05	730.16	3,148.72	101.57	2,188.11	70.58	0.00	0.00	0.00	0.00	0.00	0.00	27,971.88	902.32	8,449,44	272.56	0.30	209.04	21.75	20.63
Aug 99	16,893.97	544.97	340	5,375.33	173.40	22,269.30	718.36	3,100.81	100.03	2,209.71		0.00	0.00	0.00	0.00	0.00	0.00	27,579.82	889.67	7,690.56	248.08	0.28	186.89	19.29	20.52
Sep 99	16,875.70	562.52	320	5,075,23	169.17	21,950.93	731.70	2,982.89	99,43	2.007.74	66.92	0.00	0.00	0.00	0.00	0.00	0.00	26,941,56	898.05	7,057.90	235.26	0.26	187.61	18.57	20.49
Total 99 Average99	191,081.63 15,923.47	523.81	4,185	67,441.08 5,620.09	184.86	258,522.71 .21,543.56	708.67	36,680.59 3,056.72	100.55	25,056.25	68 63	0.00	0.00	0.00	0.00	0.00	0.00	320,259.55 26,688.30	877.85	86,782.89	227.07	0.07	2,652.51	245.90	
2000	40 700 70	200 20						100000			100			10000						7,231.91	237.67	0.27	221.04	20.49	
Oct 99 Nov 99	16,738.73 17,242.98	539.96 574.77	314	5,112.79	164.93	21,851.52	704.89	2,859.87	92.25	1,943.69	62.70	0.00	0.00	0.00	0.00	0.00	0.00	26,655.08	859.84	6,832.63	220.41	0.26	207,51	19.73	20,71
Dec 99	16,957.57	547.02	357 385	5,864.02	195,47 171,45	23,107.00 22,272.61	770.23	3,037.05	101.24	2,172.97		0.00	0.00	0.00	0.00	0.00	0.00	28,317.02	943.90	6,693.56	223,12	0.24	214.00	17.47	20.37
lan 00	12,242.34	394.91				V 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	718.47	3,038.67	98.02	2,169.89	70.00	0.00	0.00	0.00	0.00	0.00	0.00	27,953.58	901.73	7,544.87	243.38	0.27	225,58	22.80	20.29
eb 00	16,712.88	576.31	398 369	5,282.65 5,689.54	170.41	17,524.99	565.32	3,095.89	99.87	2,153.40		0.00	0.00	0.00	0.00	0.00	0.00	22,774.28	734.65	5,889.26	189.98	0.26	232.19	17.09	19.81
Mar 00	11,229.95	362.26	437	7.051.21	227.46	22,402,42 18,281.16	772.50	3,040.37	104.84		75.84	0.00	0.00	0.00	0.00		0.00	27,651.06	953.48	6.731.59	232.12	0.24	224.02	19.85	19.57
Apr 00	7,270.13	242.34	360	5,817,43	193.91	13.087.56	589.71	3,051.84	98.45	2,612.41	20.7 17 1.1	0.00	0,00		11.11	0.00	0.00	23,945,41	772.43	6,118.54	197.37	0.26	234.57	17.18	19.40
May 00	9,788.71	315.76	355	5,511.32	177.78	15,300.03	436.25 493.55	3,113.98	103.80	2,154,97		0.00	0.00		24.85	0.00	0.00	18,356.51	611.88	5,211.05	173.70	0.28	203.28	14.17	19.24
lun 00	15,809.18	526.97	356	5,510.25	183.68	21,319.43	710.65	3,108,73	100.28		74.37	0.00	0.00	61.88	2.00	1,000	0.00	20,714.13	668.20	6,240.40	201.30	0,30	212.88	16.22	18.74
lul 00	18,885.82	609.22	337	5,295.40	170.82	24,181.22	780.04	3,044.94	97.88	100000000000000000000000000000000000000	7 - 3 -	0.00	0.00	0.00	0.00		0.04	26,758.16	891.94	7,323.91	244.13	0.27	201.77	20.35	18.71
Aug 00	19,200.72	619.38	357	5,619.19	181.26	24,101.22	800.64	3,089.27	99.65		71.43	0.00	0,00		0.00	0.00	0.00	29,430.04	949.36	9,161.76	295.54	0,31	177.34	23.74	18.87
Sep 00	17,725.67	590.86	320	5,115.02	170.50	22,840.69	761.36	3,052.37	101.75	2,369.22	76.43 70.31	0.00	0.00		0.00		0.00	30,278.40 28,002.27	976.72 933.41	7,895.82 8,350,79	254.70 278.36	0.26	192.78 177.28	19.83 22.88	18.92 20.82
olal 00	179,804.68		4,345	67,183,86		246,988.54		36,567.35		26.797.48		0.00		1,151.79		1.33	-	310,835.94		83.994.18	47.57.62	1000			20,00
verage00	14,983.72	491.65	362	5,598.66	183.66	20,582,38	675.30	3,047.28	99.96	2,233.12	72 24	0.00	0.00		3.16		0.00	25,903.00	849.80	6,999.52	229.51	0.27	2,503.20	231,31	

1899	WEST PAS	7.5	E	AST PASCO		1		HERNAN	IDO	PLANT	CITY	HILLSBOI	ROUGH	SUMTER	2	CITRI	us I	PROCESSABL	E WASTE	ASH	King and	1 % 1	RECYCLING	MEGA	WATTS
MONTH/ YEAR	TONS	AVG	LOADS	TONS	AVG	PASCO	DAILY	WASTE	DAILY	WASTE	DAILY	WASTE	DAILY	Andread Committee of the	DAILY	WASTE	DAILY	TOTAL TONS	DAILY	TOTAL	DAILY	ASH/ MSW	TOTAL TONS	MONTHLY GEN.	12 MONT ROLLING AVERAG
Oct 94	14,407.73	464.77	351	4,671.27	150.69	19,079.00	615.45	3,982.91	128,48	1,890.34	60.98	98,64	3.18	0.00	0.00	0.00	0.00	25,050.89	808.09	5,579.46	179.98	0.22	288.76	16.86	
Vov 94	15,177.29	505.91	372	4,197.78	139.93	19,375.07	645.84	4,263.10	142.10	1,962.63	65.42	708.69	23.62	0.00	0.00	0.00	0.00	26,309,49	876.98	5,486.86	182.90	0.21	291.18	18.18	
Dec 94	14,446.17	466.01	343	4,139.39	133,53	18,585,56	599.53	4,313.13	139.13	1,992.92	64.29	0.00	0.00	0.00	0.00	255.16	8.23	25,146.77	811.19	5,728.08	184.78	0.23	327.20	17.68	100.01.0
lan 95	15,532.24	501.04	383	5,158.95	166.42	20,691.19	667.46	4,199.45	135.47	1,985.48	64.05	0.00	0.00	0.00	0.00	610.19	19.68	27,486,31	886.66	6,217.08	200.55	0.23	372.24	22.07	20.0
eb 95	13,835.23	494.12	352	4,772.94	170.46	18,608.17	664.58	4,119.76	147.13	1,832.32	65.44	0.00	0.00	0.00	0.00	149.69	5.35	24,709.94	882.50	5,672.81	202.60	0.23	367.19	21.93	
Mar 95	15,822.50	510.40	449	6,424.61	207,25	22,247.11	717.65	4,478.00	144,45	2,384.91	76.93	0.00	0.00	0.00	0.00	178.47	5.76	29,288.49	944.79	6,549.00	211.26	0.22	363.29	20.92	
Apr 95	13,789.48	459.65	348	5,157.32	171.91	18,946.80	631.56	4,120.89	137.36	1,826.70	60.89	0.00	0.00	.0.00	0.00	171,93	5.73	25,066,32	835.54	5,928.42	197.61	0.24	302.73	19.38	
/ay 95	15,618,54	503.82	388	5,002.19	161.36	20,620.73	665.18	4,389.81	141.61	2,193.90	70.77	0.00	0.00	0.00	0.00	123.46	3.98	27,327.90	881.55	8,208.70	264.80	0.30	330.18	24.40	
lun 95	19,424.06	647.47	381	5,111.87	170.40	24,535.93	817.86	4,293.56	143.12	2,148.55	71.62	0.00	0.00	0.00	0.00	139.01	4.63	31,117.05	1,037.24	7,353.06	245.10	0.24	251.31	22.19	
lul 95	19,479.32	628.37	318	4,535.67	146.31	24,014.99	774.68	3,934.16	126.91	1.887.64	60.89	0.00	0.00	0.00	0.00	88.58	2.86	29,925.37	965.33	7,734.42	249.50	0.26	295.78		
Aug 95	15,858.49	511.56	330	5,149.31	166.11	21.007.80	677.67	4,494.02	144.97	2,020.03	65.16	0.00	0.00	0.00	0.00	0.00	0.00	27,521.85	887.80	6.870.29	221.62	0.25		22.60	
Sep 95	14,737.82	491.26	289	4,611.45	153.72	19,349.27	644.98	4,095.58	136.52	1,850.68		0.00	0.00	0.00	0.00	0.00	0.00	25,295.53	843.18	6,634.04	221.13	0.26	254.67 247.85	21.08	20,20
otal 95	188,128.87	Trace Art	4,304	58,932.75		247,061,62		50,684.37		23,976.10	0-21	807.33	0.0	0.00	-	1,716.49		324,245.91		77,962.22			3,692,38	247.60	
verage 95	15,677.41	515.36	359	4,911.06	161.51	20,588.47	676.87	4,223.70	138.94	1,998.01	65.68	67.28	2.23	0.00	0.00	143.04	4.69	27,020.49	888,40	6,496.85	213.49	0.24	307.70	20.63	
Oct 95	16,079,27	518.69	320	5,034.19	162.39	21,113.46	681.08	3,229.60	104.18	1,959.09	63,20	0.00	0.00	0.00	0.00	0.00	0.00	26,302.15	848.46	5,541.49	178.76	0.21	276.19	16.13	20.57
lov 95	14,526.70	484.22	299	4,820.69	160.69	19,347.39	644.91	2,829.74	94.32	1,816.22		0.00	0.00	0.00	0.00	0.00	0.00	23,993.35	799.78	5,378.12	179.27	0.22	293.26	17.54	20.52
lec 95	13,596.36	438.59	303	4,804.90	155.00	18,401.26	593.59	3,210.21	103.56	1,756.42	34.5,1,5,5	0.00	0.00	0.00	0.00	0.00	0.00	23,367.89	753.80	6,041,48	194.89	0.26	283.84	20.89	20.79
an 96	15,862.19	511.68	371	5,813.67	188.83	21,675.86	700.51	3,431.25	110.69	2,106.00	67.94	0.00	0.00	0.00	0.00	0.00	0.00	27,213.11	879.13	5,919.14	190.94	0.22	350.14	18.89	20.52
eb 96	14,971,99	482.97	331	5,176.54	168.73	20,148.53	651.69	3,047.05	98,29	1,918.30	61,88	0.00	0,00	0.00	0.00	0.00	0.00	25,113.88	811.87	6,198.76	199.96	0.25	314.45	20.50	20.40
lar 96	15,746.96	507.97	388	6,012.91	195.35	21,759.87	703.32	3,300,10	106.45	2,267.71	73.15	0.00	0.00	0.00	0.00	0.00	0.00	27,327.68	882.93	5,538.52	178.66	0.20	313.39	17.81	20.14
pr 96	9,594.15	319.05	368	5,940.16	198,77	15,534.31	517.81	3,450.23	115.01	2,194.25	73.14	0.00	0.00	8.38	0.27	0.00	0.00	21,187,17	705.96	6,254.83	208.49	0.30	311.02	16.92	19.94
May 96	15,652.22	504.91	328	5,282.66	170,41	20,934.88	675.32	3,328.94	107.39	2,033.24	65.59	0.00	0.00	865.56	27.92	0.00	0.00	27,162.62	848.29	7.042.57	227.18	0.27	313.00	21.83	19.72
un 96	13,282.79	442.76	294	4,701.98	156.73	17,984.77	599.49	2,626.43	87.55	1,963.87	65.46	0.00	0.00	0.00	0.00	0.00	0.00	22,575.07	752.50	6,302.25	210.08	0.28	247.86	17.50	19.33
ul 96	17,962.39	579.43	315	5,103.98	164.64	23,066.37	744.08	2,833,37	91.40	2,014.94	65.00	0.00	0.00	0.00	0.00	0.00	0.00	27,914.68	900.47	7,652.38	246.85	0,27	258.72	20.33	19.14
ug 96	15,468.23	498.98	294	4,767.27	153.78	20,235,50	652.76	2,162,20	69.75	1,880.41	60.66	0.00	0.00	0.00	0.00	0.00	0.00	24,278,11	783.16	5,805.77	187.28	0.24	243.24	15.72	18.70
ep 96	12,924.52	430.82	275	4,411,09	147.04	17,335.61	577.85	3,061.97	102.07	1.820.53	60.68	0.00	0.00	423.40	14.11	0.00	0.00	22,218,11	740.60	4,763.68	158.79	0.21	231.86	17.30	18.45
otal 96	175,667.77	1000	3,886	61,870.04	720.22	237,537.81	5.00	36,511.09		23,730.98	5.5	0.00	100	1,297.34	€all	0.00	7.11	298,653.82		72,438.99			3,436.97	221.36	
verage96	14,638.98	476.67	324	5,155.84	168.53	19,794.82	645.20	3,042.59	99.22	1,977.58	64.49	0.00	0.00	108.11	3.53	0.00	0.00	24,887.82	808,91	6,036.58	196.76	0.24	286.41	18.45	
oct 96 lov 96	8,347.99 14,253.41	269,29 475,11	313 291	5,152.42 4,810.80	166.21 160.36	13,500.41 19,064.21	435.50	3,413.86	110.12	A-4-00	61.56	0.00	0.00		0.00	0.00	0.00	18,822.70	607.18	3,416.82	110.22	0.18	262.32	9.22	17.87
ec 96	14,937.82	481.87					635.47	3,058.57	101.95	1,705.99	56.87	0,00	0.00		0.00	0.00	0.00	23,828.77	794.29	5,969.59	198.99	0.25	238.55	19.20	18.01
an:97	18,161.10	100000000000000000000000000000000000000	331	5,391.65	173.92	20,329.47	655.79	3,199.32	103.20	2,043.84	65.93	0.00	0.00		0.00	0.00	0.00	25,572.63	824.92	7,633.12	246,23	0.30	253.60	24.50	18.31
eb 97		585,84	234	5,672.94	183.00	23,834,04	768.84	2,988.49	96.40	1,973,31		0.00	0.00	0.00	0.00	0.00	0.00	28,795.84	928.90	7,908.32	255.11	0.27	304.05	24.07	18.74
2.50	17,896.49	639.16	330	5,553.84	198.35	23,450.33	837.51	3,018.93	107.82		65.96	0.00	0.00		0.00	0.00	0,00	28,316.23	1,011.29	6,817.52	243.48	0.24	272.77	21.95	18.86
lar 97	16,798.43	541.88	388	6,375.02	205.65	23,173.45	747.53	3,073.09	99.13	2,355.20	75.97	0.00	0.00		0.00	0.00	0.00	28,601.74	922.64	6,661.59	214.89	0.23	292.17	18.99	18.96
pr 97	16,015.13	533.84	357	5,977.89	199.26	21,993.02	733.10	2,994.22	99.81	1,984.78	66,16	0.00	0.00		0.00	0.00	0.00	26,972.02	899.07	6,553.14	218,44	0.24	312,30	20.33	19.25
lay 97	17,855.62	575.99	333	5,425.18	175.01	23,280.80	75,10	3,027.34	97.66	2,044.91	65.96	0.00	0.00		0.00	0.00	0.00	28,353.05	914.61	7,398.35	238.66	0.26	263.13	21.58	19.22
un 97	15,857.61	528.59	297	4,737.35	157.91	20,594.96	686.50	3,017.91	100.60	1,923.47	A	0.00	0.00	0.00	0.00	0.00	0.00	25,536.34	851.21	5,971.90	199.06	0.23	237.52	17:47	19.22
1.97	22,055.62	711.47	316	5,087 14	164.10	27,142.76	875.57	2,976.63	96.02	1,990.92	0.00	0.00	0.00	0,00	0.00	0.00	0.00	32,110.31	1,035.82	7,784.94	251.13	0.24	262,95	20.74	19.26
ug 97	17.182.96	554.29	307	4,975.13	160.49	22,158.09	714.78	3,024.31	97.56	1,884.15		0.00	0.00	0.00	0.00	0.00	0.00	27,066.55	873.11	7,293,32	235.27	0.27	221.49	20.39	19.65
ep 97	14,555.66	485.19	272	4.816.07	160.54	19,371.73	645.72	3,196.86	106.56	1,966.71	65.56	0.00	0.00	0.00	0.00	0.00	0.00	24,535.30	817.84	6,666.79	222.23	0.27	219.33	19.63	19.84
otal 97	193,917.84	E24.00	3,875	63,975.43	175.40	257,893.27	056.00	36,989.53	400 00	23,628.68	21.22	0.00	19.44	0.00	7.60	0.00	200	318,511.48	3575	80,075,40			3,140.18	238.08	
verage97	16,159.82	531.88	323	5,331.29	175.40	21,491.11	650.95	3,082.46	101.40	1,969.06	64.73	0.00	0.00	0.00	0.00	0.00	0.00	26,542.62	873.41	6,672.95	219.47	0.25	261.68	19.84	

MONTH/ YEAR	WEST PAS TONS	DAILY AVG	LOADS	TONS	DAILY	TOTAL PASCO	DAILY	WASTE	DAILY AVG	PLANT CI WASTE	DAILY AVG	HILLSBOROU WASTE	GH DAILY AVG	SUMTE	DAILY	CITR	DAILY	PROCESSABLE TOTAL TONS	DAILY AVG	TOTAL TONS	DAILY AVG	% ASH/ MSW	RECYCLING TOTAL TONS	MEGA MONTHLY GEN	WATTS 12 MONTH ROLLING
18-28 Feb Mar 91 Apr 91 May 91 Jun 91 Jul 91 Aug 91 Sep 91 FY 91	4,053 12 16,907.78 17,718.91 15,227.39 12,699.35 15,178.62 13,557.21 12,519.74	405 31 545 41 590 61 491 21 423 31 489 63 437 33 417 32	173 178 197 197 175	0,00 0,00 0,00 3,192,78 3,329,09 3,724,71 3,667,97 3,224,85	102.99 110.97 120.15 118.32 107.50	4,053.12 16,907.78 17,718.31 18,420.17 16,028.44 18,903.33 17,225.18 15,744.59	405,31 545,41 590,61 594,20 534,28 609,78 555,65 524,82	3,068.83 3,178.99 3,246.11 2,903.51 3,242.08 3,075.85 2,821.20	105.97 104.71 96.78 104.58 99.22			0.00 6,426,51 10,825,37 5,963,20 9,774,19 0.00 0,00	0.00 207.31 360.85 192.36 325.81 0.00 0.00 0.00					4,053 12 24,611.61 31,722.72 27,610.76 28,701.27 22,243.20 21,282.58 18,560,77	405.31 793.92 1,057.42 890.67 956.71 717.52 686.53 618.69	6,698.98 8,056.29 6,401.68 5,991.98 5,931.36 4,913.84 5,004.74	216.10 268.54 206.51 199.73 191.33 158.51 166.82	0.27 0.25 0.23 0.21 0.27 0.23 0.27		12 47 24.46 17.50 17.69 14.12 11.73 12.33	12.47 18.47 18.14 18.03 17.25 16.33 15.76
Total Avg 91	107,861.52 13,482.69	475.02	920 184	17,139.40 3,427.88	111.99	125,000.92 15,625.12	545.01	21,536,57 3,076.65	100.61	0.00	0.00	32,989.27 4,123,66	135.79	0.00	0,00	0.00		178,786.03 22,348.25	765.85	42,998.87 6,142.70	201.08	0.22	0.00	15.76	
Oct 91 Nov 91 Dec 91 Jan 92 Feb 92 Mar 92 Apr 92 Jun 92 Jun 92 Jul 92 Aug 92 Sep 92	13,330,25 12,304,70 13,358,52 12,932,55 12,319,20 14,249,17 13,754,38 12,264,69 12,967,26 13,892,87 12,885,77 14,007,54	430.01 410.16 430.92 417.18 424.80 459.65 458.48 395.64 432.24 448.16 415.67 466.92	205 200 222 214 217 244 232 191 211 296 266	3,703.70 3,640.34 4,006.46 3,927.84 3,972.12 4,552.57 4,308.04 3,520.80 3,958.16 3,911.61 3,633.84 3,839.77	119.47 121.34 129.24 126.70 136.97 146.86 143.60 113.57 131.94 126.18 117.22 127.99	17,033.95 15,945.04 17,364.98 16,860.39 16,291.32 18,801.74 18,062.42 15,785.49 16,925.42 17,804.48 16,519.61 17,847.31	549.48 531.50 560.16 543.88 561.77 606.51 602.08 509.21 564.18 574.34 532.89 594.91	3,132 10 3,011.60 3,454.76 2,981.51 3,118.89 3,276.08 3,041.60 2,813.53 3,067.43 3,071.13 3,097.52 2,972.44	100.39 111.44 96.18 107.55 105.68 101.39 90.76 102.25 99.07 99.92	1,893 63 1,205.32	10 11 11	0.00 0.00 362.46 2,184.48 9,659.64 5,315.29 2,686.65 2,313.76 0.00 836.46 0.00 0.00	0.00 0.00 11.69 70.47 333.09 171.46 89.56 74.64 0.00 26.98 0.00 0.00					20,166.05 18,956.64 21,182.20 22,026.38 29,069.85 27,393.11 23,790.67 20,912.78 19,992.85 21,712.07 21,510.76 22,025.07	650.52 631.89 683.30 770.53 1,002.41 883.65 793.02 674.61 666.43 700.39 693.90 734.17	5,014.97 4,901.05 5,260.35 4,338.38 5,250.87 7,176.99 6,972.81 4,830.07 5,387.98 4,855.30 5,161.20 4,768.92	161.77 163.37 169.69 139.95 181.06 231.52 232.43 155.81 179.60 156.62 166.49 158.96	0.25 0.26 0.25 0.20 0.18 0.26 0.29 0.23 0.27 0.22 0.24	85.10 319.07 425.94 466.79 361.03 378.22 348.08 335.59 311.06	13.02 12.75 14.40 12.12 16.66 23.19 22.65 14.25 15.88 13.43 14.10 14.37	15.42 15.12 15.05 14.78 14.94 15.83 15.68 15.41 15.20 15.40 15.57
FY 92 Total Avg 92	158,266.90 13,188.91	431.27	2,709 226	46,979.63 3,914.97	128.09	205,242.15 17,103.51	559.37	37,038,59 3,086,55	100.96	3,098.95 1,549.48	49.98	23,358.74 1,946.56	64.82	0.00	0.00	0.00	0.00	268,738.43 22,394.87	733.43	63,918.89 5,326.57	174.35	0.24	3,030.88 336.76	15.57	
Oct 92 Nov 92 Dec 92 Jan 93 Feb 93 Mar 93 May 93 Jun 93 Jul 93 Aug 93 Sep 93	13,820,45 12,844,65 13,952,95 14,511,09 12,860,23 20,442,55 14,350,83 16,555,74 17,470,90 14,812,00 18,830,70 15,044,07	445.82 428.16 450.10 468.10 459.29 659.44 478.36 534.06 582.36 477.81 607.44 501.47	307 296 340 336 329 425 398 314 347 338 329 330	3,963.59 3,873.59 4,524.99 4,680.22 4,400.40 5,523.22 5,385.90 4,051.66 4,486.14 4,416.54 4,249.85 4,286.37	127.86 129.12 145.97 150.97 157.16 178.17 179.53 130.70 149.54 142.47 139.57 142.88	17,784.04 16,718,24 18,477.94 19,191.31 17,260.63 25,965.77 19,736.73 20,607.40 21,957.04 19,228.54 23,157.41 19,330.44	573.68 557.27 596.06 619.07 616.45 837.61 657.89 664.75 731.90 620.28 747.01 644.35	3,086.68 2,813.61 3,172.69 3,105.46 2,812.66 3,550.74 3,029.59 3,243.91 3,100.41 3,300.43 3,351.78 2,951.91	100 18 100 45 114.54 100.99 104.64 103.35 106.47	1,835,99 1,675,25 1,836,21 1,717,00 1,754,95 2,383,09 2,140,29 1,935,93 2,119,67 1,968,54 2,012,79 1,933,21	59 23 55 39 62.68 76.87 71.34 62.45 70.66 63.50 64.93	0.00 0.00 0.00 0.00 10,365,70 2,496,71 559,56 0.00 0.00 0.00 0.00 1,965,95	0.00 0.00 0.00 370.20 80.54 18.65 0.00 0.00 0.00 0.00 65.53					22,706.71 21,207.10 23,486.84 24,013.77 32,193.94 34,396.31 25,466.17 25,787.24 27,177.12 24,497.51 28,521.98 26,181.51	732.47 706.90 757.64 774.64 1,149.78 1,109.56 848.87 831.85 905.90 790.24 917.58 872.72	5,732,29 4,744,61 6,027,57 4,582,85 6,677,80 6,917,25 6,300,48 8,898,99 7,408,24 7,274,59 7,098,03 5,587,31	184.91 158.15 194.44 147.83 238.49 223.14 210.02 287.06 246.94 234.66 228.97 186.24	0.25 0.22 0.26 0.19 0.21 0.20 0.25 0.35 0.27 0.30 0.25 0.25	330.65 327.21 394.49 403.40 351.45 386.59 393.39 334.93 300.71 319.01 293.33 334.25	18.19 15.91 20.61 15.26 25.21 22.47 18.14 22.83 21.80 19.76 16.41 14.99	16.00 16.26 16.78 17.04 17.75 17.69 17.32 18.03 18.53 19.05 19.25
FY 93 Total Avg 93	185,496.16 15,458.01	507.70	4089 341	53,842.47 4,486.87	147.83	239,415.49 19,951,29	655,53	37,519.87 3,126.66	102.74	23,312.92 1,942.74	63.88	15,387.92 1,282.33	44.58	0.00	0.00	0.00	0.00	315,636.20 26,303.02	866.51	77,250.01 6,437.50	211.74	0.25	4,169.40 347.45	19.30	
Oct 93 Nov 93 Dec 93 Jan 94 Feb 94 Mar 94 Apr 94 May 94 Jul 94 Jul 94 Aug 94 Sep 94	14,000.00 14,574.27 13,755.38 14,167.95 14,072.59 16,900.42 15,211.63 14,348.40 15,189.55 14,648.97 18,248.70 14,934.96	451.61 470.14 443.72 457.03 502.59 545.17 507.05 462.85 506.32 472.55 588.67 481.77	326 352 346 369 366 442 379 355 388 377 370 353	4,298.58 4,617.90 4,718.35 6,949.93 6,910.14 8,318.57 5,152.22 4,442.77 4,593.54 4,342.48 4,773.87 4,596.40	138.66 148.96 152.20 224.19 246.79 268.34 171.74 143.32 153.12 140.08 154.00 148.27	18,298.58 19,192.17 18,473.73 21,117.88 20,982.73 25,218.99 20,363.85 18,791.17 19,783.09 18,991.45 23,022.57 19,531.36	590.28 619.10 595.93 681.22 749.38 813.52 678.80 606.17 659.44 612.63 742.66 630.04	4,235.13 4,561.22 4,551.29 4,648.73 4,491.73 5,009.74 4,561.16 4,231.04 4,140.54 4,217.71 4,684.19 4,144.02	161.60 152.04 136.48 138.02 136.06 151.10	1,789,09 1,971,55 1,761,89 1,921,56 1,937,18 2,421,32 1,972,96 2,012,72 2,233,00 1,918,19 2,091,30 1,910,84	69.19 78.11 65.79 64.90 73.69 61.88 67.46	1,813,68 0.00 1,725,87 0.00 2,155,68 0.00 0.00 0.00 0.00 0.00 0.00 0.00	58.51 0.00 55.67 0.00 76.99 0.00 0.00 0.00 0.00 0.00 0.00 0.00					26,136.48 25,724.93 26,512.78 27,688.17 29,567.32 32,650.05 26,897.97 25,034.93 26,156.63 25,127.35 29,798.06 25,586.22	843.11 829.84 855.25 893.17 1,055.98 1,053.23 896.60 807.58 871.89 810.56 961.23 825.36	6,887.85 5,855.62 7,010.32 5,577.37 6,626.24 6,499.22 5,090.92 7,495.11 7,229.54 6,253.84 6,538.58 6,742.24	222 19 188 89 226 14 179 92 236 65 209 65 169 90 249 84 240 98 201 74 210 92 217 49	0.26 0.23 0.26 0.20 0.22 0.20 0.19 0.30 0.28 0.25 0.22	315.90 312.81 369.30 364.45 331.84 381.75 383.49 333.83 307.13 294.87 293.22 300.01	23,28 18,00 23,85 19,61 25,21 21,20 19,46 24,92 22,28 18,95 18,80 15,16	19.72 19.90 20.17 20.53 20.53 20.42 20.53 20.71 20.75 20.68 20.88 20.89
FY 94 Avg 94 Tol 94	15,004.40 180,052.82	490.79	369 4423	5,309,56 63,714.75	174 14	20,313.96 243,767.57	664.93	4,456,38 53,476.50	145.83	1,995.13 23,941.60	65.23	474.60 5,695.23	15.93	0.00	0.00	0.00	0.00	27,240,07 326,880,89	891.98	6,483.90 77,806.85	212.86	0.24	332.38 3,988.60	20,89	

ATTACHMENT 6 Grid Volume Calculations for Merged SW-1 and SW-2 Cells





ATTACHMENT 6
Comparison of
2019 Elevation Contours
to Buildout Contours

Grid Volume Computations

Wed Mar 27 13:04:11 2019

Upper Surface

Grid File Name: C:\Users\jason\OD\Pasco\Solid Waste Facilities Compliance Assistance

(TO 1-19)\Landfill Useful Life\SW1and2\Buildout.grd Grid Size: 100 rows x 72 columns

X Minimum: 1470264.85 X Maximum: 1471188.658 X Spacing: 13.01138028169

Y Minimum: 476067.0127 Y Maximum: 477361.1126 Y Spacing: 13.071716161616

Z Minimum: 48.517848349793 Z Maximum: 104.65246986107

Lower Surface

Grid File Name: C:\Users\jason\OD\Pasco\Solid Waste Facilities Compliance Assistance

(TO 1-19)\Landfill Useful Life\SW1and2\SW1 and 2 bottom digitized.grd

Grid Size: 100 rows x 72 columns

X Minimum: 1470279.551 X Maximum: 1471159.941 X Spacing: 12.399859154931

Y Minimum: 476102.8426 Y Maximum: 477353.9757 Y Spacing: 12.637708080808

Z Minimum: 40.002282092702 Z Maximum: 61.746376197676

Volumes

Z Scale Factor: 1

Total Volumes by:

Trapezoidal Rule: 24372317.454845 Simpson's Rule: 24371804.137753 Simpson's 3/8 Rule: 24372134.682391

Cut & Fill Volumes

Positive Volume [Cut]: 24456384.72056 (~ 900,000 cubic yards)

 Negative Volume [Fill]:
 84067.26571527

 Net Volume [Cut-Fill]:
 24372317.454845

Areas

Planar Areas

Positive Planar Area [Cut]: 892647.04424142
Negative Planar Area [Fill]: 23925.181380842
Blanked Planar Area: 184912.84428693
Total Planar Area: 1101485.0699092

Surface Areas

Positive Surface Area [Cut]: 932765.6521539 Negative Surface Area [Fill]: 24447.280035483