Division of Solid and Infectious Waste Management
Solid Waste Management District – Annual District Report

Calendar Year 2007 Annual District Report

Prepared in accordance with OAC 3745-27-90 (F)

I. Reference Information

1a. Name of Primary District Contact David Held	1b. Title of the person listed in 1a. Executive Director
2. Name of Solid Waste Management District or Authority Stark-Tuscarawas-Wayne Joint Solid Waste Management District	
3. Address of District 9918 Wilkshire Blvd. NE	City: Bolivar State: OH Zip: 44612 -
4. Telephone: (800) 678 - 9839 Ext. FAX: (330) 874 - 2449	6. Does District have a Web site ☒ Yes ☐ No If yes, list address below: www.timetorecycle.org
5. E-mail Address david@timetorecycle.org	
7. Name of person responsible for filling out this report. James A. Skora	8. Business relationship of # 7 (left) to District Consultant
9. Telephone of # 7 (above) (330) 899 - 1105 Ext.	(Date Stamp – Please Do not write in this section)
10. Address of # 7 GT Environmental, Inc. 567 East Turkeyfoot Lake Road Suite B1-5 Akron, Ohio 44319	

II. Name and address of current Policy Committee Chair (District) -or- Board of Trustees Chair (Authority)

Name: Jim Seldenright	Date he/she assumed role: 01 / 2008 (mm / yyyy)	Phone: (330) 365 - 3240 x
Address 1: Tuscarawas County Commissioners Office	FAX: (330) 602 - 7483	
Address 2: 125 East High Avenue	E-mail: Seldenright@co.tuscarawas.oh.us	
City: New Philadelphia	State: OH	Zip: 44663 -

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Data	File
☐ **RECYC** ☐ **IMPS** ☐ **REV** ☐ **HHW** ☐ **ODNR** ☐ **Filed** ☐ **NOV** ☐ **NOD**	Program _____ County _____ Fac/Entity _____ Subcategory _____

III. BASIC DISTRICT INFORMATION FOR REPORT YEAR

1. Population of District (2007):	2. Source(s) of Population Information:
588,429	2007 projections from Ohio EPA Written Solid Waste Plan for District

3. Special Circumstances that affected District activities or waste generation in 2007:

None

IV. OUT-OF-STATE SOLID WASTE FACILITIES USED BY THE SOLID WASTE MANAGEMENT DISTRICT*

Does the District have any contracts or other special agreements with out-of-state waste facilities or haulers that provide data on waste taken out of state or does the District keep it's own data on waste sent out of state? (check one below).

☐ Yes → Complete Table IV.1

☒ No → Continue with section V

NOTE: If you maintain a list of out-of-state facilities that have accepted waste from the District but you do not know the amount, you may list the name(s) of the facility(ies) and an unknown amount of waste.

Source(s) of the out-of-state waste data:

Table IV.1 OUT-OF-STATE Facilities Used by the Solid Waste Management District

☒ Check here if District does not maintain these data			Amount of District Solid Waste Disposed by Type of Waste (tons)[3]					
OUT-OF-STATE Facility Name	**State**	**Amt. un-known**	**Asbestos**	**Municipal Solid Waste**	**Industrial Solid Waste**	**Exempt Waste[1]**	**Other**	**Total**
None		☐						
		☐						
		☐						
		☐						
		☐						
		☐						
		☐						
		☐						
		☐						
		☐						
Out-of-State Disposal Total[2]								

1 Exempt waste is defined as materials which are exempted or "excluded" from the definition of solid waste. Examples include non-toxic foundry sand, and non-toxic fly ash and bottom ash.

2. Net total of solid waste disposed out-of-state. Waste that went through an out-of-state transfer station and disposed in an out-of-state landfill has been adjusted to eliminate double counting.

3. All Amounts are reported in tons. The following conversion factors were used to convert volumes to tons:
n/a

V. VOLUME-BASED BILLING ("PAY-AS-YOU-THROW") PROGRAMS ACTIVE IN THE DISTRICT IN 2007

Table V.1 Pay-As-You-Throw Disposal Programs

Name of the community (city, village, or township) served by the PAYT program	#HH[1]	District Role	Contact Information	What recycling services are available to residents in the community (check one)
None		☐ Operate ☐ Fund ☐ None	Name: Telephone: Org:	☐ Non-subscription curbside recycling ☐ Subscription curbside recycling ☐ Drop-off recycling ☐ None
		☐ Operate ☐ Fund ☐ None	Name: Telephone: Org:	☐ Non-subscription curbside recycling ☐ Subscription curbside recycling ☐ Drop-off recycling ☐ None
		☐ Operate ☐ Fund ☐ None	Name: Telephone: Org:	☐ Non-subscription ☐ Subscription ☐ Drop-off recycling ☐ None
		☐ Operate ☐ Fund ☐ None	Name: Telephone: Org:	☐ Non-subscription curbside recycling ☐ Subscription curbside recycling ☐ Drop-off recycling ☐ None
		☐ Operate ☐ Fund ☐ None	Name: Telephone: Org:	☐ Non-subscription curbside recycling ☐ Subscription curbside recycling ☐ Drop-off recycling ☐ None
		☐ Operate ☐ Fund ☐ None	Name: Telephone: Org:	☐ Non-subscription curbside recycling ☐ Subscription curbside recycling ☐ Drop-off recycling ☐ None

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1. Number of Households Participating in program

VI. SOLID WASTE MANAGEMENT DISTRICT WASTE REDUCED AND RECYCLED [OAC 3745-27-90 (F)(3)]

IMPORTANT NOTICE: When reviewing data submitted with the ADR, Ohio EPA evaluates the data for consistency with data from previous years and for quantities that seem particularly unusual for a given material. Ohio EPA strongly encourages districts to do the same prior to submitting the ADR. This is particularly important if this will be the data used for the reference year for a solid waste management plan update. The data reported in this section may be subject to increased scrutiny when used as reference year data in a plan update. Districts are encouraged to provide supporting data and documentation whenever possible for the recycling numbers reported in this section, and are encouraged to contact Ohio EPA with any questions.

VI(A), Source(s) and Date(s) of Information for Table VI.1 (attach additional sheets if necessary)

Check where applicable: Additional data are attached: ☐ to this sheet ☐ in appendix

Source(s) of data reported in Section VI (check all that apply)	Calendar Year(s)
☒ survey of recycling collection programs or activities	2007
☒ survey of recycled material brokers, processors, or scrap dealers	2007
☒ survey of industries	2007
☒ Other(s) (specify): 2007 survey of compost facilities, haulers, commercial businesses, institutional entities and municipalities	

The District also focused on obtaining accurate documentation on processors and brokers ustilized by the District solid waste generators.

VI (B). Conversion factors used in the preparation of Table VI.1.

B.1. The number of scrap tires was converted to tons using the following method(s):

☒ **1 Tire = 20 Lbs.** ☐ **weighed w/ scales** ☐ Other, explain here

B.2. Conversion factors and calculations used to convert cubic yards of yard waste to tons:

3 CY = 1 Ton

B.3. Other conversion factors, calculations or methodology used to complete Table VI.1:

7.5 lbs.gallon for used oil and 8.34 lbs/gallon for antifreeze

Table VI.1 Solid Waste Management District Waste Recycled (Tons)

NOTE: Please read the 2007 ADR Instruction Manual carefully before filling out this table. Any materials not listed in one of the 20 pre-designated categories below must be specified so the district may receive proper credit for these materials.

Recyclable Categories*	Residential/Commercial Tons Recycled	Industrial Tons Recycled	Total Tons Recycled
1. Appliances / "White Goods"	189.39	0.00	189.39
2. Lead-Acid Batteries	9.56	129.41	138.97
3. Dry Cell Batteries	49.77	1.01	50.78
4. Food	500.00	0.00	500.00
5. Glass	1,422.93	0.00	1,422.93
6. Household Hazardous Waste	715.34		715.34
7. Ferrous Metals	393.06	627,978.74	628,371.81
8. Non-Ferrous Metals	348.77	2,875.31	3,224.08
9. Corrugated Cardboard	11,699.62	116,790.65	128,490.27
10. All other paper	9,362.87	4,601.91	13,964.78
11. Plastics	188.97	349.63	538.60
12. Scrap Tires (tons)	655.27	4.63	659.90
13. Textiles	1,053.96	0.00	1,053.96
14. Used Motor Oil	3.00		3.00
15. Wood	7,680.95	28,604.55	36,285.50
16. Yard Waste	58,166.40	0.00	58,166.40
17. Commingled Recyclables	6,241.71		6,241.71
18. Electronics (all residential)	465.30		465.30
19. Ash (recycled ash only)	0.00		0.00
20. Non-Exempt Foundry Sand		0.00	0.00
21. Mixed Metals	784.77	69,640.00	70,424.77
22. Finished Goods	2,595.58	0.00	2,595.58
23. Ceramics/Tile	689.00	0.00	689.00
24. Antifreeze	1.50	0.00	1.50
25. Bulbs/Ballasts	29.11	0.00	29.11
26. Refractory Brick	0.00	13.60	13.69
27. Paragon Wax	0.00	29.50	29.50
28. Grinding Sludge	0.00	3,635.50	3,635.50
29. Mill Scale	0.00	44,115.00	44,115.00
30.	0.00	0.00	0.00
31. Recycling Subtotals	**103,247.07**	**898,775.79**	**1,002,022.86**
Source / Volume Reduction and Incineration			
32. Source Reduction (2007)	0.00	0.00	0.00
33. Incineration	0.00	0.00	0.00
34. Source Reduction Subtotals	**0.00**	0.00	**0.00**
35. Grand Totals	**103,247.07**	**898,775.79**	**1,002,022.86**

* Please read the instruction booklet carefully for definitions and restrictions on reportable categories so that the district may receive the proper recycling credit for all creditable materials.

VII. Explanation of data reported in Table VI.1

Table VII.1 Additional Descriptions of specific materials reported in Table VI.1

Row No. (Table VI.1)	Material Listed	Explanation of atypical numbers, significant changes in quantities of a material recycled compared with the 2006 ADR, and/or materials listed in rows 21 through 30 which require additional details.
1	See Attached Report	See Attached Data Explanation Report
Attach additional sheets as necessary. If additional data are attached please check here: ☐		

VII.2 Important issues affecting the 2007 recycling and waste reduction data in this report.

The District is in the fifth year of comprehensive surveying of all sectors in the Tri-County area. This effort has produced a significant increase in recycling data. The District surveyed 1,234 industrial businesses, 3,022 commercial businesses, 72 compost facilities, all three county recycling offices, 31 recycling brokers and facilities and 50 solid waste haulers. The District did not count broker or hauler data in order to eliminate double counting issues. The District used the surveys and OEPA compost facility data to calculate yard waste data. All yard waste data was cross referenced to ensure no double counting was encountered. The District also began tracking recycling facilities and brokers that were used by the District's generators as required by the Ohio EPA written solid waste plan.

Section VIII OTHER WASTE REDUCTION / RECYCLING ACTIVITIES

Table VIII. 1 Other Beneficial Recycling Activities – materials not creditable toward Solid Waste recycling totals

Material Type	Residential/Commercial Tons Recycled (2007)	Industrial Tons Recycled (2007)	Total Tons Recycled (2007)
Asphalt	0.00	31,000.00	31,000.00
Concrete	0.00	134,246.00	134,246.00
Cooking Oil/Grease	907.25	0.00	907.25

Other recycling and waste reduction activities in the District in 2007 that were not reported in section VI:

None

Section IX

IX. REVISIONS AND ADDITIONS IN SOLID WASTE MANAGEMENT DISTRICT RULES (attached)

Under Section 343.01(G) of the Ohio Revised Code, districts have the authority to adopt rules after final plan approval, provided the approved plan authorizes the solid waste management district to do so. Please attach one copy of all final rules adopted and/or modified by the district during 2007 [OAC 3745-27-90 (F)(5)].

☐ **Please check here if information pertaining to section IX is attached to this report.**

X. FEES AND FUNDING

A. Host Community Fees:

County, Township or Municipality	Fee
Sandy Township, Stark County	$ 0.25
Pike Township, Stark County	$ 0.25
Dover Township, Tuscarawas County	$ 0.25
Paint Township, Wayne County	$ 0.25

B. District Contract Fees with facilities, haulers, etcetera:

Entity (party to contract)	**Brief Description of Contract Fee**
None	

C. Changes in District Fees in 2007:

☐	Check this box if the District / Authority has passed a resolution exempting Automobile Shredder Residue (ASR) from generation fees (as authorized under ORC §3734.576(B), effective 03/29/2007) and briefly summarize the major details of the resolution in the space below or attach a copy of the resolution to the back of this page. (Check here if a copy of the resolution is attached: ☐)

None

D. Other funding issues relevant to District operations in report year 2007:

None

XI. HOUSEHOLD HAZARDOUS WASTE MANAGEMENT (HHW) PROGRAMS IN 2007

Table XI.I. HHW Management

A. Permanent General Collection Event(s)		☐ **Check here if you collected electronics at the event(s)**
Check here if offered in 2007: ☐	Do you intend to offer this collection event in 2008? ☐ Yes ☒ No	
Number of events held in 2007:		Hazardous waste contractor or entity that operated event:
Number of cars participating:		
Cost of collection program:	$	Number of days event ran in 2007:
Material Subtotals		
Pounds disposed		**Comments on this event:**
Pounds recycled/reused		
Total Pounds collected		**Were CRT televisions accepted at this event?** ☐ Yes ☐ No

B. Temporary General Collection Event(s)		☐ **Check here if you collected electronics at the event(s)**
Check here if offered in 2007: ☒	Do you intend to offer this collection event in 2008? ☒ Yes ☐ No	
Number of events held in 2007:	4	Hazardous waste contractor or entity that operated event: Clean Harbors
Number of cars participating:	13,092	
Cost of collection program:	$ 1,089,288	Number of days event ran in 2007: 12
Material Subtotals		
Pounds disposed	215,800	**Comments on this event: Includes electronics, scrap tires, oil and batteries as well as other HHW materials.**
Pounds recycled/reused	2,803,673	
Total Pounds collected	3,019,473	**Were CRT televisions accepted at any events?** ☒ Yes ☐ No

B2. Electronics-Only Event(s) (collection events limited to consumer electronics products, only)		
Check here if offered in 2007: ☐	Do you intend to offer this collection event in 2008? ☐ Yes ☒ No	
Number of events held in 2007:		Hazardous waste contractor or entity that operated event:
Number of cars participating:		
Cost of collection program:	$	Number of days event ran in 2007:
Material Subtotals		
Pounds disposed:		**Comments on this event:**
Pounds recycled/reused:		
Total Pounds collected:		**Were CRT televisions accepted at any events?** ☐ Yes ☐ No

Table XI.1 (Cont.) – HHW Management

D1. HHW Drop-off programs Limited or special collections for all other specified materials		
Number of events held in 2007:		**Materials(s) collected:**
Number of cars participating:		
Cost of collection program:	$	
Material Subtotals		
Pounds disposed		
Pounds recycled/reused		
Total Pounds collected		Hazardous waste contractor or entity that operated event:
Note: This section does not include tonnages reported in sections A,B or C.		

D2. HHW Drop-off programs Limited or special collections for all other specified materials		
Number of events held in 2007:		**Materials(s) collected:**
Number of cars participating:		
Cost of collection program:	$	
Material Subtotals		
Pounds disposed		
Pounds recycled/reused		
Total Pounds collected		Hazardous waste contractor or entity that operated event:
Note: This section does not include tonnages reported in sections A,B or C.		

D3. HHW Drop-off programs: Limited or special collections for all other specified materials		
Number of events held in 2007:		**Materials(s) collected:**
Number of cars participating:		
Cost of collection program:	$	
Material Subtotals		
Pounds disposed		
Pounds recycled/reused		
Total Pounds collected:		Hazardous waste contractor or entity that operated event:

E. Grand Total for all HHW Collection Programs		☐ Please check here if the district collected CRT television sets at any HHW events in 2007.			
E1. Total HHW Disposed		**E2. Total HHW Recycled***		**E3. Total HHW Collected (E1 + E2)**	
215,800 Lbs	**107.90 Tons**	**2,803,673 Lbs**	**1,401.83 Tons**	**3,019,473 Lbs**	**1,509.73 Tons**
* If this amount differs from the recycling amount reported in Table VI.1, please explain in Table VII.2					

XII. Other/ Miscellaneous Information

A. **Studies and Subcommittees:** If your current solid waste management plan includes any studies (e.g. "feasibility studies," studies designed to determine the efficacy of programs, etc.) . This would also include "subcommittees" intended to study an issue and make or assist with, planning decisions. If your district had such programs in place in 2007 then please complete this section as follows:

- If a study is completed, list the outcome. If a final report was prepared, indicate how a copy of the report can be obtained.
- If a study is in progress, indicate the state of progress and whether the study is on schedule. Describe any milestones achieved to date.
- If a study was delayed or discontinued, enter a brief explanation of the situation.

☐ No data to report (Note: Please check implementation schedule as checking this box could constitute "no activity" for program).

The District conducted a comprehensive review of composting operations and programs throughout the tri-county area. The results of the study are as follows•

Alternative 1 – No change to existing yard waste compost facility infrastructure.
Alternative 2 – Centrally located, publicly owned and operated compost facility
Alternative 3 – District operated transport of yard waste material.
Alternative 4 – Pilot Study for curbside yard waste collection.

The District will consider Alternative 1 and Alternative 3 based on cost from compost operators which was bid out in 2008.

B. **Feedback:** Suggestions for the revising or correcting 2008 Report Form:

None

XIII. Status of Plan Implementation Table

District's shall complete the *Status of Plan Implementation Table*, in accordance with OAC §3745-27-90 (F).

The *Status of Plan Implementation Table* beginning on the next page includes all of The District's programs that were included in its most recent Solid Waste Management Plan. The District reports the status of each program and what activity was carried out under each program during the report year.