

APPENDICES

APPENDIX A

FACILITY DESCRIPTIONS

Facility Descriptions

The following table lists all solid waste disposal areas within Wayne County or to be used by Wayne County to meet its disposal needs for the planning period. The facility description sheets for these facilities, information on the closed landfills that will remain included in the Plan (pp. A 44 – A 46), and information regarding the facilities removed from the Plan as part of this update, can be found in Appendix A.

Facility Name & Location	Facility Type	Page Number
Wayne County Landfills		
Carleton Farms, Sumpter Twp., Wayne County	Type II Landfill/Ash Monofill	A 3
Countywide, Gibraltar, Wayne County	Type III Landfill	A 4
Edw. C. Levy, Taylor, Wayne County	Type III Landfill	A 5
Ford Allen Park Clay Mine, Allen Park, Wayne County	Type II Landfill	A 6
Huron Monofill, Huron Twp., Wayne County	Ash Monofill	A 7
Livonia Landfill, Livonia, Wayne County	Type III Landfill	A 8
Riverview Land Preserve, Riverview, Wayne County	Type II Landfill	A 9
Sauk Trail Hills, Canton, Wayne County	Type II Landfill	A 10
Sibley Quarry, Trenton, Wayne County	Type III Landfill	A 11
Woodland Meadows, Van Buren Twp., Wayne County	Type II Landfill	A 12
Wayne County Waste-to-Energy Facilities		
CWCSA, Dearborn Heights, Wayne County	Waste-to-Energy Facility	A 13
Greater Detroit Resource Recovery, Detroit, Wayne County	Waste-to-Energy Facility	A 14
Wayne County Type A Transfer Stations (> 200 yd³/day)		
American Waste Oil, Belleville, Wayne County	Type A Transfer Station	A 15
City Disposal Systems, Detroit, Wayne County	Type A Transfer Station	A 16
Dearborn Transfer, Dearborn, Wayne County	Type A Transfer Station	A 17
Detroit Transfer and Recycling, Detroit, Wayne County	Type A Transfer Station	A 18
Dinverno, Detroit, Wayne County	Type A Transfer Station and Processing Plant	A 19
Metropolitan Transfer Center, Detroit, Wayne County	Type A Transfer Station	A 25
New Center Recycling, Detroit, Wayne County	Type A Transfer Station and Processing Plant	A 26
Onyx Transfer, Dearborn, Wayne County	Type A Transfer Station	A 28
S&J, River Rouge, Wayne County	Type A Transfer Station and Processing Plant	A 32
Southfield Yard, Detroit, Wayne County	Type A Transfer Station	A 33
Trenton Transfer, Trenton, Wayne County	Type A Transfer Station	A 36
Waste Management – Livonia Yard, Livonia, Wayne County	Type A Transfer Station	A 37
Wayne County Type B Transfer Stations (< 200 yd³/day)		
Hamtramck Transfer, Hamtramck, Wayne County	Type B Transfer Station	A 20
Inkster Transfer, Inkster, Wayne County	Type B Transfer Station	A 21
Lincoln Park Transfer, Lincoln Park, Wayne County	Type B Transfer Station	A 22
Livonia Transfer, Livonia, Wayne County	Type B Transfer Station	A 23
Markwell Trucking, Belleville., Wayne County	Type B Transfer Station	A 24
Northville City Transfer, Northville, Wayne County	Type B Transfer Station	A 25
Plymouth City Transfer, Plymouth, Wayne County	Type B Transfer Station	A 29
River Rouge Transfer, River Rouge, Wayne County	Type B Transfer Station	A 30
Romulus Transfer, Romulus, Wayne County	Type B Transfer Station	A 31
Southgate Transfer, Southgate, Wayne County	Type B Transfer Station	A 34
Taylor Transfer, Taylor, Wayne County	Type B Transfer Station	A 35
Westland Transfer, Westland, Wayne County	Type B Transfer Station	A 38
Woodhaven Transfer, Woodhaven, Wayne County	Type B Transfer Station	A 39
Wyandotte Transfer, Wyandotte, Wayne County	Type B Transfer Station	A 40
Wayne County Processing Plants		
Michigan Disposal, Van Buren Twp., Wayne County	Processing Plant	A 41
Taylor Recycling, Taylor, Wayne County	Processing Plant	A 42
USL, City Environmental, Detroit, Wayne County	Processing Plant	A 43

Facility Descriptions

Facility Name & Location	Facility Type	Page Number
Out of County Landfills		
Citizens Disposal, Grand Blanc, Genesee County	Type II Landfill	A 47
McGill Rd. Landfill, Jackson, Jackson County	Type II Landfill	A 48
Adrian Landfill, Adrian, Lenawee County	Type II Landfill	A 49
Pine Tree Acres, Lenox Twp., Macomb County	Type II Landfill	A 50
Vienna Junction, Erie, Monroe County	Type II Landfill	A 51
Matlin Road Landfill, Carleton, Monroe County	Type III C&D Landfill	A 52
Rockwood Landfill, Newport, Monroe County	Type III Landfill	A 53
Oakland Heights Development, Auburn Hills, Oakland County	Type II Landfill	A 54
Eagle Valley RDF, Orion, Oakland County	Type II Landfill	A 55
Venice Park RDF, Lennon, Shiawassee County	Type II & III Landfill	A 56
Arbor Hills Landfill, Salem Township, Washtenaw County	Type II Landfill	A 57

The information within the facility description sheets on the following pages may conflict in some respects with the information in the body of this Plan. The information on the facility description sheets has been provided by the facilities and has not been verified by Wayne County. Volumes used within this plan for calculation of capacities and existing life have been verified by Wayne County and may not be reflected within the following pages.

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill and Ash Monofill

Facility Name: Carleton Farms

County: Wayne Location: Town: 4 S Range: 8 E Section(s): 36

City or Township: Sumpter Twp.

Address: 28800 Clark Rd. Sumpter Twp., MI 48111 Phone: (313) 654-3615

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Carleton Farms Landfill, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: Ash

* Explanation of special wastes, including a specific list and/or conditions:

Asbestos, sludge

<u>Site Size:</u>	<u>Landfill</u>	<u>Monofill</u>	
Total area of facility property:	<u>662.4</u>		acres
Total area sited for use	<u>662.4</u>		acres
Total area permitted:	<u>335.1</u>	<u>53.2</u>	acres
Operating:	<u>112.6</u>	<u>14.7</u>	acres
Not excavated:	<u>222.5</u>	<u>38.5</u>	acres
Current capacity:	<u>59,500,000</u>	<u>4,200,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> bank yds ³ *
Estimated lifetime:	<u>35</u>	<u>23</u>	years
Estimated days open per year:	<u>312</u>	<u>312</u>	days
Estimated yearly disposal volume:	<u>3,144,620</u>	<u>180,910</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³ *
(if applicable)			
Annual energy production:			
Landfill gas recovery projects:	<u>4</u>	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	<u>N/A</u>	megawatts

$2 \text{ gate yds}^3 (\text{gcy}) = 1 \text{ bank yds}^3 (\text{bcy})$

FACILITY DESCRIPTIONS

Facility Type: Type III Landfill

Facility Name: Countywide Landfill

County: Wayne Location: Town: 4 S Range: 10 E Section(s): 35

City or Township: Gibraltar

Address: 15701 Vreeland Rd. Trenton, MI 48183 Phone: (734) 285-1200 x 4135

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☐ Public ☒ Private Owner: Gibraltar Land Company

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed **
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Debris pile at the Trenton plant, construction and demolition waste, trees and stumps, dredgings.

* Explanation of special wastes, including a specific list and/or conditions:

** Solid waste disposal area operating license issued by MDEQ on April 5, 1999.

Site Size:

Total area of facility property:	<u>167.9</u>	acres
Total area sited for use	<u>119.4</u>	acres
Total area permitted:	<u>119.4</u>	acres
Operating:	<u>43.9</u>	acres
Not excavated:	<u>75.5</u>	acres

Current capacity:	<u>3,800,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> bank yds ³ *
Estimated lifetime:	<u>7.17</u>	years
Estimated days open per year:	<u>312</u>	days
Estimated yearly disposal volume:	<u>530,000+</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

* 1:1 bank yds³ (bcy) & gate yds³ (gcy)

FACILITY DESCRIPTIONS

Facility Type: Type III Industrial Sanitary Landfill

Facility Name: Edw. C. Levy Co. Landfill

County: Wayne Location: Town: 3 S Range: 10 E Section(s): 34

City or Township: Taylor

Address: 21280 Pennsylvania Taylor, MI 48180 Phone: (313) 849-9246

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☐ Public ☒ Private Owner: Edw. C. Levy Co.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☒ industrial
- ☐ construction & demolition
- ☒ contaminated soils
- ☐ special wastes *
- ☒ other: Road sweepings, industrial wastes

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 84.59 acres

Total area sited for use 70.59 acres

Total area permitted: 70.59 acres

Operating: 70.59 acres

Not excavated: N/A acres

Current capacity: 2,721,000

☐ tons or ☒ bank yds³ *

Estimated lifetime: 9 years

Estimated days open per year: 312 days

Estimated yearly disposal volume: 300,000 ☐ tons or ☒ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

* 1:1 bank yds³ (bcy) & gate yds³ (gcy)

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Ford Allen Park Clay Mine Landfill

County: Wayne Location: Town: 2 S Range: 10 E Section(s): 25

City or Township: Allen Park

Address: 17005 Oakwood Allen Park, MI 48101 Phone: (313) 390-3209

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Ford Motor Company

Operating Status (check)

- ☒ open
☐ closed
☒ licensed
☐ unlicensed
☒ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

- ☐ residential
☐ commercial
☒ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Asbestos

Site Size:

Total area of facility property:

243.35

acres

Total area sited for use

~ 154

acres

Total area permitted:

~ 154

acres

Operating:

19.91

acres

Not excavated:

36.36

acres

Current capacity:

2,036,150

☐ tons or ☒ bank yds³ *

Estimated lifetime:

25

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

149,237

☐ tons or ☒ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

* 2 gate yds³ (gcy) = 1 bank yds³ (bcy)

FACILITY DESCRIPTIONS

Facility Type: Type II Ash Monofill
Facility Name: Huron Monofill (Central Wayne County Sanitation Authority)
County: Wayne Location: Town: 4 S Range: 9 E Section(s): 36
City or Township: Huron Twp.
Address: 28200 S. Huron Rd. Huron Twp., MI 48164 Phone: (313) 292-8877

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☒ Public ☐ Private Owner: CWCSA

Operating Status (check)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☒ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

☐ residential
☐ commercial
☐ industrial
☐ construction & demolition
☐ contaminated soils
☐ special wastes *
☒ other: MSW Incinerator Ash

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

37.8592

acres

Total area sited for use

15

acres

Total area permitted:

15

acres

Operating:

~ 7

acres

Not excavated:

N/A

acres

Current capacity:

592,000

☐ tons or ☒ bank yds³

Estimated lifetime:

15

years

Estimated days open per year:

~ 310

days

Estimated yearly disposal volume:

39,290

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

* 1:1 bank yds³ (bcy) & gate yds³ (gcy)

FACILITY DESCRIPTIONS

Facility Type: Type III Landfill

Facility Name: Livonia Landfill

County: Wayne Location: Town: 1 S Range: 9 E Section(s): 28

City or Township: Livonia

Address: 32000 Glendale, Livonia, MI 48154 Phone:

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☒ Public ☐ Private Owner: City of Livonia

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: street sweepings

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:	<u>22</u>	acres
Total area sited for use	<u>22</u>	acres
Total area permitted:	<u>22</u>	acres
Operating:	<u>15.5</u>	acres
Not excavated:	<u>6.5</u>	acres
Current capacity:	<u>178,207</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> bank yds ³
Estimated lifetime:	<u>16.5</u>	years
Estimated days open per year:	<u>250</u>	days
Estimated yearly disposal volume:	<u>10,761</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³
(if applicable)		
Annual energy production:		
Landfill gas recovery projects:	<u>N / A</u>	megawatts
Waste-to-energy incinerators:	<u>N / A</u>	megawatts

* 1:1 bank yds³ (bcy) & gate yds³ (gcy)

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Riverview Land Preserve

County: Wayne Location: Town: 4 S Range: 10 E Section(s): 11 & 12

City or Township: Riverview

Address: 20455 Grange Riverview, MI 48192 Phone: (734) 281-4263

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☒ Public ☐ Private Owner: City of Riverview

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☐ special wastes *
- ☒ other: Type II wastes

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:	<u>404.34</u>	acres
Total area sited for use	<u>239.55</u>	acres
Total area permitted:	<u>212.5</u>	acres
Operating:	<u>109.69</u>	acres
Not excavated:	<u>53.46</u>	acres
Current capacity:	<u>14,100.000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> bank yds ³ *
Estimated lifetime:	<u>22.5</u>	years
Estimated days open per year:	<u>310</u>	days
Estimated yearly disposal volume:	<u>~ 880,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³ *

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>max 2,400</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

* 2 gate yds³ (gcy) = 1 bank yds³ (bcy)

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Sauk Trail Hills Landfill

County: Wayne Location: Town: 2S Range: 8 E Section(s): 35

City or Township: Canton Twp.

Address: 5011 S. Lilley Rd. Canton Twp., MI 48188 Phone: (734) 397-2790

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Sauk Trail Hills Development, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Asbestos

Site Size:

Total area of facility property: 200.7 acres

Total area sited for use 160.2 acres

Total area permitted: 86.7 acres

Operating 86.7 acres

Not excavated: 73.5 acres

Current capacity: 25,657,759 ☐ tons or ☒ bank yds³ *

Estimated lifetime: 20 years

Estimated days open per year: ~310 days

Estimated yearly disposal volume: 1,957,220 ☐ tons or ☒ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

* 2 gate yds³ (gcy) = 1 bank yds³ (bcy)

FACILITY DESCRIPTIONS

Facility Type: Existing Type III Industrial Waste Landfill

Facility Name: Sibley Quarry

County: Wayne Location: Town: 4 S Range: 11 E Section(s): 7

City or Township: Trenton

Address: 502 Quarry Rd. Trenton, MI 48183 Phone: (313) 235-8714

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: The Detroit Edison Co.

Operating Status (check)

- ☒ open
☐ closed
☒ licensed
☐ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

- ☐ residential
☐ commercial
☒ industrial
☐ construction & demolition
☐ contaminated soils
☒ special wastes *
☒ other: Powerplant ash

* Explanation of special wastes, including a specific list and/or conditions:

Ash. ** The coal ash landfilling takes place in an active mine. The volume of the present mine is 15,000,000 cubic yards. Since the mine is constantly being enlarged, the capacity of the ultimate excavation will be greater than 15,000,000 cubic yards, and the estimated life will be greater than 60 years.

Site Size:

Total area of facility property: 207.018 acres

Total area sited for use: 120 acres

Total area permitted: 207.018 acres

Operating: 119 acres

Not excavated: acres

Current capacity: >15,000,000 **

Estimated lifetime: >60 **

Estimated days open per year: 330

Estimated yearly disposal volume: 235,381

☐ tons or ☒ bank yds³ *

years

days

☐ tons or ☒ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A

Waste-to-energy incinerators: N/A

megawatts

megawatts

* 1:1 bank yds³ (bcy) & gate yds³ (gcy)

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Woodland Meadows Recycling & Disposal Facility

County: Wayne Location: Town: 3 S Range: 8 E Section(s): 1

City or Township: Van Buren Twp.

Address: 5900 Hannan Rd. Van Buren Twp, MI 48111 Phone: (734) 326-0993

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: Waste Management of Michigan, Inc.

Operating Status (check)

- ☒ open
☐ closed
☒ licensed
☐ unlicensed
☒ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

- ☒ residential
☒ commercial
☐ industrial
☒ construction & demolition
☒ contaminated soils
☒ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:
Asbestos, sludges.

Site Size:

Total area of facility property:	<u>269</u>	acres
Total area sited for use:	<u>269</u>	acres
Total area permitted:	<u>148.2</u>	acres
Operating:	<u>71.1</u>	acres
Not excavated:	<u>74.8</u>	acres

Current capacity: 25,600,000 ☐ tons or ☒ bank yds³*

Estimated lifetime:	<u>10</u>	years
Estimated days open per year:	<u>312</u>	days
Estimated yearly disposal volume:	<u>5,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³ *

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

* 2 gate yds³ (gcy) = 1 bank yds³ (bcy)

FACILITY DESCRIPTIONS

Facility Type: Incinerator

Facility Name: CWCSA

County: Wayne Location: Town: 2S Range: 10E Section(s): 31

City or Township: Dearborn Hts.

Address: 4901 S. Inkster, Dearborn Hts., MI Phone: (313) 292-8877

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Huron Quarry Monofill

☒ Public ☐ Private Owner: Central Wayne County Sanitation Authority

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

32

acres

Total area sited for use:

N/A

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

800/day

☒ tons or ☐ bank yds³ *

Estimated lifetime:

indefinite

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

248,000

☒ tons or ☐ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Incinerator w/ Energy Recovery

Facility Name: Greater Detroit Resource Recovery Facility

County: Wayne Location: Town: 1 S Range: 12 E Section(s): 32

City or Township: Detroit

Address: 5700 Russell St. Detroit, MI 48211

Phone: (313) 876-0140

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes : Ash landfilled at Carleton Farms Landfill

☒ Public ☐ Private Owner: Greater Detroit Resource Recovery Authority

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

17.5

acres

Total area sited for use

N/A

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

1,043,000

☒ tons or ☐ yds³

Estimated lifetime:

until 2024

years

Estimated days open per year:

365

days

Estimated yearly disposal volume:

1,040,000

☒ tons or ☐ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

68

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: American Waste Oil, Inc.

County: Wayne Location: Town: 3 S Range: 8 E Section(s): 3

City or Township: Belleville

Address: 44141 Yost Rd. Belleville, MI 48111 Phone: (313) 397-2300

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Sauk Trail Hills

☐ Public ☒ Private Owner: American Waste Oil, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial Packaging waste only. No process waste.
- ☒ construction & demolition
- ☐ contaminated soils
- ☒ special wastes *
- ☒ other: All waste that is nonhazardous

* Explanation of special wastes, including a specific list and/or conditions:

Building and renovation projects.

Site Size:

Total area of facility property:

1.376

acres

Total area sited for use

1.376

acres

Total area permitted:

1.376

acres

Operating:

1.376

acres

Not excavated:

N/A

acres

Current capacity:

1,200 yds/day maximum

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

~ 270

days

Estimated yearly disposal volume:

80,119

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: City Disposal Systems, Inc.

County: Wayne Location: Town: 1 S Range: 12 E Section(s): 32

City or Township: Detroit

Address: 1550 Harper Ave. Detroit, MI 48211 Phone: (313) 923-3300

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Carleton Farms

☐ Public ☒ Private Owner: Waste Management

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

18.25

acres

Total area sited for use:

18.25

acres

Total area permitted:

18.25

acres

Operating:

18.25

acres

Not excavated:

N/A

acres

Current capacity:

☐ tons or ☐ yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

days

Estimated yearly disposal volume:

1,550,236

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: Dearborn Transfer Station

County: Wayne Location: Town: 2 S Range: 11 E Section(s): 30

City or Township: Dearborn

Address: 2651 Greenfield Dearborn, MI 48120 Phone: (313) 271-8177

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Sauk Trail Hills

☒ Public ☐ Private Owner: Dearborn Dept. of Public Works

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

2.5

acres

Total area sited for use:

2.5

acres

Total area permitted:

2.5

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

N/A

☐ tons or ☐ yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

108,480

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: Detroit Transfer and Recycling Facility

County: Wayne Location: Town: 1 S Range: 12 E Section(s): 25

City or Township: Detroit

Address: 12001 Mack Ave. Detroit, MI 48215 Phone: (313) 823-6401

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Carleton Farms Landfill – Sumpter Twp.

☐ Public ☒ Private Owner: Republic Waste Services

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

No special wastes

Site Size:

Total area of facility property:

7

acres

Total area sited for use

7

acres

Total area permitted:

7

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

4,000 yd/day

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

368,000

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station and Processing Plant

Facility Name: Dinverno, Inc.

County: Wayne Location: Town: 1S Range: 12E Section(s): 8

City or Township: Detroit

Address: 4600 East Nevada

Phone: (313) 892-3535

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Rockwood Landfill and Sauk Trail Hills Landfill

☐ Public ☒ Private Owner: Dinverno, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:	<u>7.4</u>	acres
Total area sited for use:	<u>5</u>	acres
Total area permitted:	<u>7.4</u>	acres
Operating:		acres
Not excavated:		acres

Current capacity:	<u>1200/day</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> bank yds ³ *
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Estimated lifetime:	<u>Indefinite</u>	years
Estimated days open per year:	<u>260</u>	days
Estimated yearly disposal volume	<u>234,000</u>	<input checked="" type="checkbox"/> tons or <input type="checkbox"/> gate yds ³ *

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Hamtramck Transfer Station

County: Wayne Location: Town: 1S Range: 12E Section(s): 20

City or Township: Hamtramck

Address: 9600 Buffalo, Hamtramck

Phone:

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☒ Public ☐ Private Owner: City of Hamtramck

Operating Status (check)

- ☒ open
☐ closed
☐ licensed
☐ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

- ☒ residential
☐ commercial
☐ industrial
☐ construction & demolition
☐ contaminated soils
☐ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

acres

Total area sited for use:

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☐ bank yds³ *

Estimated lifetime:

indefinite

years

Estimated days open per year:

250

days

Estimated yearly disposal volume:

☐ tons or ☐ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Inkster Transfer Station

County: Wayne Location: Town: TS Range: 10 E Section(s): 30

City or Township: Inkster

Address: 26900 Princeton Inkster, MI 48141 Phone: (313) 563-9773

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Woodland Meadows – Van Buren

☒ Public ☐ Private Owner: City of Inkster

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Yard clippings

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

1/2

acres

Total area sited for use:

1/2

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

300

days

Estimated yearly disposal volume:

2300

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Lincoln Park Transfer

County: Wayne Location: Town: 3 S Range: 11 E Section(s): 8

City or Township: Lincoln Park

Address: 500 Southfield Lincoln Park, MI 48146 Phone: (313) 386-1800

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Debris is hauled to Riverview, chipped wood/leaves is hauled to Carleton Farms

☒ Public ☐ Private Owner: City of Lincoln Park

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: General refuse, trees, & stumps

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:	<u>10</u>	acres
Total area sited for use	<u>2</u>	acres
Total area permitted:	<u>2</u>	acres
Operating:	<u>2</u>	acres
Not excavated:	<u>N / A</u>	acres
Current capacity:	<u><200 daily</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³
Estimated lifetime:	<u>indefinite</u>	years
Estimated days open per year:	<u>250</u>	days
Estimated yearly disposal volume:	<u>50,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³
(if applicable)		
Annual energy production:		
Landfill gas recovery projects:	<u>N / A</u>	megawatts
Waste-to-energy incinerators:	<u>N / A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Livonia Transfer Station

County: Wayne Location: Town: 1 S Range: 9 E Section(s): 28

City or Township: Livonia

Address: 32000 Glendale Livonia, MI 48154 Phone:

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Woodland Meadows – Van Buren

☒ Public ☐ Private Owner: City of Livonia

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Yard clippings

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:	1.82	acres
Total area sited for use:	0.46	acres
Total area permitted:	<u>N / A</u>	acres
Operating:	<u>N / A</u>	acres
Not excavated:	<u>N / A</u>	acres
Current capacity:	<u><200 daily</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>indefinite</u>	years
Estimated days open per year:	<u>312 days</u>	days
Estimated yearly disposal volume:	<u>62,400</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gateyds ³
(if applicable)		
Annual energy production:		
Landfill gas recovery projects:	<u>N / A</u>	megawatts
Waste-to-energy incinerators:	<u>N / A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Markwell Trucking

County: Wayne Location: Town: 3 Range: 8 E Section(s): 25

City or Township: Belleville

Address: 15435 Martinsville Belleville, MI 48111 Phone: (734) 697-7220

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Carleton Farms

☐ Public ☒ Private Owner: Ernest Markwell

Operating Status (check)

- ☒ open
☐ closed
☐ licensed
☒ unlicensed
☐ construction permit
☐ open, but closure
pending

Waste Types Received (check all that apply)

- ☐ residential
☐ commercial
☐ industrial
☒ construction & demolition
☐ contaminated soils
☐ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

10

acres

Total area sited for use:

.5

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

62,400

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: Metropolitan Transfer Center

County: Wayne Location: Town: 1 S Range: 12 E Section(s): 9

City or Township: Detroit

Address: 6451 E. McNichols Detroit, MI 48212 Phone: (313) 893-6656

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Sauk Trail Hills

☐ Public ☒ Private Owner: Metropolitan Transfer

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

No special wastes

Site Size:

Total area of facility property:

5

acres

Total area sited for use

5

acres

Total area permitted:

5

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

☐ tons or ☐ yds³

Estimated lifetime:

20

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

154,000

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station & Processing Plant

Facility Name: New Center Recycling

County: Wayne Location: Town: 1S Range: 11E Section(s): 36

City or Township: Detroit

Address: 1331 Holden

Phone: (313) 871-4000

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Riverview Landfill

☐ Public ☒ Private Owner: New Center Recycling

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 5 acres

Total area sited for use: 5 acres

Total area permitted: 5 acres

Operating: 3 acres

Not excavated: acres

Current capacity: 1,000/day ☒ tons or ☐ gate yds³

Estimated lifetime: Indefinite years

Estimated days open per year: 300 days

Estimated yearly disposal volume: N/A ☐ tons or ☐ gate yds³

(if applicable)

Annual energy production: N/A

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Northville City Transfer

County: Wayne Location: Town: 1 S Range: 8 E Section(s): 3

City or Township: Northville

Address: 650 Doheny Northville, MI 48167 Phone: (313) 349-3271

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Sauk Trail Hills

☒ Public ☐ Private Owner: City of Northville

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Cemetary wastes - Grave blankets & decorations.

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

15

acres

Total area sited for use

1.5

acres

Total area permitted

1.5

acres

Operating:

1.5

acres

Not excavated:

N/A

acres

Current capacity:

<30 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

12 (1st Sat. of every month)

days

Estimated yearly disposal volume:

420

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: Onyx Transfer

County: Wayne Location: Town: 2S Range: 11E Section(s): 30

City or Township: Dearborn

Address: 3051 Schaefer Road

Phone: (313) 436-8333

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Arbor Hills Landfill in Washtenaw County

☐ Public ☒ Private Owner: Onyx Waste Services, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 5.4 acres

Total area sited for use: 5.4 acres

Total area permitted: 5.4 acres

Operating: acres

Not excavated: acres

Current capacity: 500/day ☒ tons or ☐ gate yds³

Estimated lifetime: 50 years

Estimated days open per year: 313 days

Estimated yearly disposal volume: 130,000 ☒ tons or ☐ gate yds³

(if applicable)

Annual energy production: N/A

Landfill gas recovery projects: N/A

Waste-to-energy incinerators: N/A

megawatts

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer

Facility Name: Plymouth City Transfer Station

County: Wayne Location: Town: 1 S Range: 8 E Section(s): 27

City or Township: Plymouth

Address: 1231 Goldsmith Plymouth, MI 48170 Phone: (313) 455-1392

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: BFI - Arbor Hills

☒ Public ☐ Private Owner: City of Plymouth

Operating Status (check)

- ☒ open
☐ closed
☐ licensed
☒ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

- ☒ residential
☒ commercial
☐ industrial
☐ construction & demolition
☐ contaminated soils
☐ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

< 5

acres

Total area sited for use

N/A

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

~ 255

days

Estimated yearly disposal volume:

667

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: River Rouge Transfer

County: Wayne Location: Town: 2 S Range: 11 E Section(s): 34

City or Township: River Rouge

Address: 5 Marion River Rouge, MI 48218 Phone: (313) 842-6482

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Riverview Land Preserve

☒ Public ☐ Private Owner: City of River Rouge

Operating Status (check)

- ☒ open
☐ closed
☐ licensed
☒ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

- ☒ residential
☐ commercial
☐ industrial
☐ construction & demolition
☐ contaminated soils
☐ special wastes *
☒ other: Recyclables

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: .98 acres

Total area sited for use: .98 acres

Total area permitted: N/A acres

Operating: N/A acres

Not excavated: N/A acres

Current capacity: <200 daily ☐ tons or ☒ gate yds³

Estimated lifetime: indefinite years

Estimated days open per year: 312 days

Estimated yearly disposal volume: < 62,400 ☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Romulus Transfer Station

County: Wayne Location: Town: 3 S Range: 9 E Section(s): 16

City or Township: Romulus

Address: 34100 Goddard Romulus, MI 48174 Phone: (313) 942-7572

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Carleton Farms Landfill

☒ Public ☐ Private Owner: City of Romulus

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Bulky items (i.e. furniture)

* Explanation of special wastes, including a specific list and/or conditions:

No special wastes

Site Size:

Total area of facility property:

12

acres

Total area sited for use

<1

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

260

days

Estimated yearly disposal volume:

720

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station and Processing Facility

Facility Name: S & J

County: Wayne Location: Town: 2S Range: 12E Section(s): 33

City or Township: River Rouge

Address: 1900 West Pleasant, River Rouge

Phone: (313) 841-9518

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Carleton Farms Landfill

☐ Public ☒ Private Owner: Sharon Hobig

Operating Status (check)

- ☒ open
☐ closed
☐ licensed
☒ unlicensed
☒ construction permit
☐ open, but closure
pending

Waste Types Received (check all that apply)

- ☐ residential
☐ commercial
☐ industrial
☒ construction & demolition
☐ contaminated soils
☐ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

7

acres

Total area sited for use:

7

acres

Total area permitted:

7 (pending)

acres

Operating:

acres

Not excavated:

acres

Current capacity:

200/day

☐ tons or ☒ gate yds³ *

Estimated lifetime:

indefinite

years

Estimated days open per year:

300

days

Estimated yearly disposal volume:

60,000

☐ tons or ☒ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: Southfield Yard, Detroit DPW Western District

County: Wayne Location: Town: 1S Range: 11E Section(s): 26

City or Township: Detroit

Address: 12255 Southfield Road, Detroit Phone: (313) 852-4590

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: GDRRA and Carleton Farms Landfill.

☒ Public ☐ Private Owner: City of Detroit, Greater Detroit Resource Recovery Authority

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 25 acres

Total area sited for use: 1 acres

Total area permitted: 1 acres

Operating: 1 acres

Not excavated: acres

Current capacity: 501/day ☒ tons or ☐ bank yds³ *

Estimated lifetime: indefinite years

Estimated days open per year: 340 days

Estimated yearly disposal volume: 170,340 ☒ tons or ☐ gate yds³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer

Facility Name: Southgate Transfer Station

County: Wayne Location: Town: 3 S Range: 10 E Section(s): 26

City or Township: Southgate

Address: 14719 Schaefer Southgate, MI 48195 Phone: (313) 246-1311

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Riverview Land Preserve

☒ Public ☐ Private Owner: City of Southgate

Operating Status (check)

- ☒ open
☐ closed
☐ licensed
☒ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

- ☒ residential
☐ commercial
☐ industrial
☐ construction & demolition
☐ contaminated soils
☐ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

10

acres

Total area sited for use

1

acres

Total area permitted:

N/A

acres

Operating:

1

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

250

days

Estimated yearly disposal volume:

<50,000

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Taylor City Transfer

County: Wayne Location: Town: 3 Range: 10 Section(s): 33

City or Township: Taylor

Address: 16300 Racho Rd. Taylor, MI 48180 Phone: (313) 374-1373

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Sauk Trail Hills

☒ Public ☐ Private Owner: City of Taylor

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

~ 40

acres

Total area sited for use

~ 1

acres

Total area permitted:

N/A

acres

Operating:

~ 1

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

~ 280

days

Estimated yearly disposal volume:

26,706

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: Trenton City Transfer

County: Wayne Location: Town: 4 S Range: 10 E Section(s): 25

City or Township: Trenton

Address: 1801 Van Horn Trenton, MI 48183 Phone: (313) 675-8470

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Riverview Land Preserve

☒ Public ☐ Private Owner: City of Trenton

Operating Status (check)

☒ open
☐ closed
☒ licensed
☐ unlicensed
☐ construction permit
☐ open, but closure
☐ pending

Waste Types Received (check all that apply)

☒ residential
☒ commercial
☐ industrial
☐ construction & demolition
☐ contaminated soils
☒ special wastes *
☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

.5

acres

Total area sited for use:

.5

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

N/A

☐ tons or ☐ yds³

Estimated lifetime:

20

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

15,774.13

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type A Transfer Station

Facility Name: Waste Management of MI, Inc. - Livonia Yard Transfer Station

County: Wayne Location: Town: 1 S Range: 9 E Section(s): 28

City or Township: Livonia

Address: 32000 Glendale Livonia, MI 48154 Phone: (810) 357-0100

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Woodland Meadows - Van Buren

☒ Public ☐ Private Owner: City of Livonia

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Yard clippings

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

.5

acres

Total area sited for use

.5

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

N/A

☐ tons or ☐ yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

1,920

☐ tons or ☒ gateyds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Westland City Transfer

County: Wayne Location: Town: 2 S Range: 9 E Section(s): 17

City or Township: Westland

Address: 37173 Marquette Westland, MI 48185 Phone: (313) 728-1770

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Woodland Meadows - Van Buren

☒ Public ☐ Private Owner: City of Westland

Operating Status (check)

- | | |
|-------------------------------------|---------------------|
| <input checked="" type="checkbox"/> | open |
| <input type="checkbox"/> | closed |
| <input type="checkbox"/> | licensed |
| <input checked="" type="checkbox"/> | unlicensed |
| <input type="checkbox"/> | construction permit |
| <input type="checkbox"/> | open, but closure |
| <input type="checkbox"/> | pending |

Waste Types Received (check all that apply)

- | | |
|-------------------------------------|---------------------------|
| <input checked="" type="checkbox"/> | residential |
| <input type="checkbox"/> | commercial |
| <input type="checkbox"/> | industrial |
| <input type="checkbox"/> | construction & demolition |
| <input type="checkbox"/> | contaminated soils |
| <input type="checkbox"/> | special wastes * |
| <input type="checkbox"/> | other: |

* Explanation of special wastes, including a specific list and/or conditions:
No special wastes

Site Size:

Total area of facility property:

acres

Total area sited for use:

<1

acres

Total area permitted:

N/A

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

unlimited

years

Estimated days open per year:

64

days

Estimated yearly disposal volume:

3200

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Woodhaven City Transfer

County: Wayne Location: Town: 4 S Range: 10 E Section(s): 21

City or Township: Woodhaven

Address: 21840 Van Horn Woodhaven, MI 48183 Phone: (734) 675-4919

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Riverview Land Preserve

☒ Public ☐ Private Owner: City of Woodhaven

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☐ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

1/4

acres

Total area sited for use

1/4

acres

Total area permitted:

N/A

acres

Operating:

1/4

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

~ 150

days

Estimated yearly disposal volume:

3,700

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type B Transfer Station

Facility Name: Wyandotte City Transfer

County: Wayne Location: Town: 3S Range: 11E Section(s): 28

City or Township: Wyandotte

Address: 2065 Biddle Wyandotte, MI 48192 Phone: (313) 246-4450

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Riverview Land Preserve

☒ Public ☐ Private Owner: City of Wyandotte

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☒ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☐ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

5.3 (will change with new site)

acres

Total area sited for use:

.3

acres

Total area permitted:

N/A

acres

Operating:

.3

acres

Not excavated:

N/A

acres

Current capacity:

<200 daily

☐ tons or ☒ gate yds³

Estimated lifetime:

N/A

years

Estimated days open per year:

260

days

Estimated yearly disposal volume:

<50,000

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Processing Plant and Transfer Facility

Facility Name: Michigan Disposal Waste Treatment Plant

County: Wayne Location: Town: 3 S Range: 8 E Section(s): 17

City or Township: Van Buren Twp.

Address: 49350 N. I-94 Service Dr. Van Buren Twp., MI 48111 Phone: (313) 699-6297

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Wayne Disposal, Sauk Trail Hills, Allen Park Clay Mine, Woodland Meadows – Van Buren

☐ Public ☒ Private Owner: EQ – The Environmental Quality Co.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: Liquids, granular solids, sludges

* Explanation of special wastes, including a specific list and/or conditions:
RCRA hazardous wastes with the exception of reactives.

Site Size:

Total area of facility property:	<u>7.56</u>	acres
Total area sited for use	<u>11</u>	acres
Total area permitted:	<u>11</u>	acres
Operating:	<u>11</u>	acres
Not excavated:	<u>N/A</u>	acres

Current capacity:		<input type="checkbox"/> tons or <input type="checkbox"/> yds ³
Estimated lifetime:	<u>indefinite</u>	years
Estimated days open per year:	<u>312</u>	days
Estimated yearly disposal volume:	<u>?</u>	<input type="checkbox"/> tons or <input type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Processing Plant

Facility Name: Taylor Recycling, Inc.

County: Wayne Location: Town: 3 S Range: 10 E Section(s): 7

City or Township: Taylor

Address: 8767 Holland Taylor, MI 48180 Phone: (313) 291-7410

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: Sauk Trail Hills

☐ Public ☒ Private Owner: Taylor Recycling, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☐ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property:

20

acres

Total area sited for use

acres

Total area permitted:

20

acres

Operating:

N/A

acres

Not excavated:

N/A

acres

Current capacity:

N/A

☐ tons or ☐ yds³

Estimated lifetime:

indefinite

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

24,000

☐ tons or ☒ gate yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Solid Waste Processing Plant

Facility Name: USL, City Environmental, Inc.

County: Wayne Location: Town: 1S Range: 12E Section(s): 32

City or Township: Detroit

Address: 1923 Frederick Street

Phone: (313) 923-0080

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes:

☐ Public ☒ Private Owner: US Liquids

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☒ commercial
- ☒ industrial
- ☐ construction & demolition
- ☐ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Site Size:

Total area of facility property: 11.5 acres

Total area sited for use: 11.5 acres

Total area permitted: 11.5 acres

Operating: acres

Not excavated: acres

Current capacity: 2,500 ☒ tons or ☐ gate yds³

Estimated lifetime: 50 years

Estimated days open per year: 300 days

Estimated yearly disposal volume: N/A ☐ tons or ☐ gate yds³

(if applicable)

Annual energy production: N/A

Landfill gas recovery projects: N/A megawatts

Waste-to-energy incinerators: N/A megawatts

Closed Landfills that will remain included in the Plan

The following landfills are closed and no longer licensed to accept waste but are still routinely monitored by the Wayne County D.O.E. LRMD for post-closure requirements. Specific descriptions of the facilities' original Plan inclusion stipulations can be found on the following pages.

City Sand & Landfill, Type II	46805 Willow Rd., Sumpter Twp.
Vulcan Mold Type III Landfill	1251 Fort St., Trenton
Wayne Disposal Type II Landfill	49350 I-94 Service Dr., Van Buren Twp.
Woodland Meadows South Type II Landfill	39900 Van Born, Canton

Currently Closed Facilities that will remain included in the Plan

The following previously licensed facilities have operated in the past and, although not currently operating, are anticipating the possibility of returning to full operation in the future. These facilities will therefore remain included in the Plan. Specific descriptions of the facilities' original Plan inclusion stipulations can be found on the following pages.

Progressive Sweeping Contractors, Inc. (formerly: BFI Redford Transfer Station)	12564 Inkster, Redford
Detroit Energy & Recycling (formerly: Circle Recycling/S&S)	2660 E. Grand Blvd., Detroit
Waste Management, Inc. (formerly: City Environmental Transfer Station)	5980 Inkster Road, Romulus

Facilities Removed from the Plan as Part of this Update

The following facilities are being removed from the Plan due to any of the following reasons: (1) no longer operating with no intention of resuming operation; (2) previously included but has never received a construction permit and so was never constructed; (3) last known contact was notified and has presented no objection toward intent to have facility removed from Plan.

		<u>Reason</u>
Aaro Waste Paper	14333 Goddard, Detroit	1,3
Fairall Trucking	18472 Allen Rd., Brownstown	1,3
K& K Rail Siding Transfer Station	4058 Elizabeth, Wayne	1,3
Landfill Inc.	39965 Judd Rd., Sumpter Twp.	2,3
Metro/Detroit Environmental Services	7800 Dix, Detroit	1,3
Nave Transfer Station	4440 Wyoming, Dearborn	2,3
Recycling Corporation of America	7731 Melville, Detroit	2,3
Renaissance Recycling	14200-300 Cloverdale, Detroit	1,3

Closed Facility Information

The following previously licensed facilities have operated in the past and, although not currently operating, are anticipating the possibility of returning to full operation in the future. These facilities will therefore remain included in the Plan.

Progressive Sweeping Contractors, Inc.
(Formerly: BFI Redford Transfer Station)
12564 Inkster Road
Redford
No Construction Permit (Pre-Act 641)

The facility is a Type A Solid Waste Transfer Facility with two compactors. The facility is designed to accept 250 tons of general refuse per day. The property description is as follows: 1.93 Acre, SW ¼ of Section 30, T1S, R10E, Redford Township.

Detroit Energy Recycling, Inc.
(Formerly: Circle Recycling/S&S)
2660 E. Grand Blvd.
Detroit
Construction Permit #0277 (Issued 10-25-92)

The facility will process truckloads of commercial waste by removing recyclable materials for marketing. Commercial waste is primarily composed of mixed paper, corrugated, glass, wood, plastics and some metal. Tires will also be processed and some small amounts of food refuse will come from restaurants and office cafeterias. The facility will typically process 180 tons per day of commercial refuse and the removal of 104 tons per day of recyclable material.

Waste Management, Inc.
(Formerly: City Environmental Transfer Station and Processing Plant/Waste Management of Michigan)
5980 Inkster Road
Romulus
Construction Permit #0226 (Issued 8-31-90)

A 9.09 acre processing/transfer station to process from 300 to 900 tons per day of residential, commercial and industrial solid waste using a combination of mechanical and manual techniques. Building is 40,000 square feet with an approved conveyor and compactor system.

The following landfills are closed and no longer licensed to accept waste but are still routinely monitored by the Wayne County D.O.E. LRMD for post-closure requirements and will remain included in the Plan.

City Sand and Landfill

46805 Willow Road

Sumpter Township

Construction Permit #0261 (Issued 6-12-92)

This is a closed P.A. 641 Sanitary landfill located at 46805 Willow Road, in Section 28 of Sumpter Township. Willow Road, Sumpter Road, Arkona Road, and Elwell Road bound the site. Site is 240 acres and is closed with the maximum elevation of 755ft. MSL. Site was licensed to accept Type II and Type III, and MSW incinerator ash.

Wayne Disposal #2

49350 I-94 Service Drive

Belleville

No Construction Permit

This is a closed P.A. 451 Type II landfill located on the north side of I-94 Service Drive between Belleville and Rawsonville Roads in Van Buren Township. The site contains a licensed processing plant. Site is 400 acres and is closed with a maximum approved elevation of 720-738 MSL. Master cells V, VI, VII, XI are individually separated and isolated from each other and other portions of landfill. Master cells V, VI, VII were approved for hazardous waste acceptance. This site was originally included in the WCSWMP as part of the Wayne Disposal #2 with Act 641 license #6625 issued September 12, 1980 (from Wayne Disposal Phase II site plans approved May 8, 1979).

Woodland Meadows South

39900 Van Born Road

Canton

Construction Permit #0288 (Issued 5-28-93)

This is a closed P.A. 451 Type II landfill located at 39900 Van Born Road, in Section 36 of Canton Township. Conrail tracks, Hannan Road, Van Born Road, and Lotz Road bound the site. Site is 105-acre parcel with 77 acres to be filled, with a maximum approved elevation of 902.5 USGS. Site was licensed to accept non-hazardous waste consisting of municipal refuse and commercial and industrial waste.

Vulcan Mold and Iron

1251 Fort Street

Trenton

No Construction Permit (Pre-Act 641)

This is a five-acre Type III facility located on the East Side of Fort Street north of King Road, in the City of Trenton. It abuts the Edison Sibley Quarry. It was first licensed in 1973 and only excepted foundry sand. Fill could not extend higher than permanent ground level.

FACILITY DESCRIPTIONS

Facility Type: Type II Sanitary Landfill

Facility Name: Citizens Disposal, Inc.

County: Genesee Location: Town: T6N Range: R6E Section(s): 23

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☐ Public ☒ Private Owner: Citizens Disposal, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☐ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Non-hazardous solid waste requiring prior review and approval including analytical review.

Site Size:

Total area of facility property:

301

acres

Total area sited for use:

258

acres

Total area permitted:

acres

Operating:

51.66

acres

Not excavated:

-0-

acres

Current capacity:

20.4 M

☐ tons or ☒ yds³

Estimated lifetime:

30

years

Estimated days open per year:

310

days

Estimated yearly disposal volume:

1,066,711

☐ tons or ☒ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

2.4

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: McGill Rd. Landfill

County: Jackson Location: Town: 2S Range: 1W Section(s): 24

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☐ Public ☒ Private Owner: Waste Management, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:
Incinerator ash.

Site Size:

Total area of facility property:	<u>50.5</u>	acres
Total area sited for use:	<u>50.5</u>	acres
Total area permitted:	<u>18.7</u>	acres
Operating:	<u>50.5</u>	acres
Not excavated:	<u>7.8</u>	acres

Current capacity:	<u>740,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>8</u>	years
Estimated days open per year:	<u>310</u>	days
Estimated yearly disposal volume:	<u>148,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Adrian Landfill

County: Lenawee Location: Town: 7, 8 S Range: 4E Section(s): 6, 7

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N / A

☐ Public ☒ Private Owner: Adrian Landfill, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Asbestos and sludges per operating policy.

Site Size:

Total area of facility property: 421 acres

Total area sited for use: 287 acres

Total area permitted: 40 acres

Operating: 19 acres

Not excavated: 20 acres

Current capacity: 5,043,838 ☐ tons or ☒ yds³

Estimated lifetime: 23.5 years

Estimated days open per year: 307 days

Estimated yearly disposal volume: 71,460 ☐ tons or ☒ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects: 20,148 megawatts

Waste-to-energy incinerators: N / A megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Pine Tree Acres

County: Macomb Location: Lenox Twp. Town: 4N Range: 14E Section(s): 23, 24

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N / A

☐ Public ☒ Private Owner: Waste Management

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:
Sludge, Auto Fluff.

Site Size:

Total area of facility property:

568

acres

Total area sited for use:

568

acres

Total area permitted:

161.2

acres

Operating:

86.1

acres

Not excavated:

75.1

acres

Current capacity:

7,200,000(Remaining future capacity 59,000,000)

☐ tons or ☒ yds³

Estimated lifetime:

8(Future expansion 27)

years

Estimated days open per year:

286

days

Estimated yearly disposal volume:

1,800,000

☐ tons or ☒ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

4

megawatts

Waste-to-energy incinerators:

N / A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II

Facility Name: Vienna Junction Industrial Park Sanitary Landfill

County: Monroe Location: Town: 9S, 8S Range: 8E Section(s): 5, 6, 31 & 32

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☒ Public ☐ Private Owner: Browning-Ferris Industries

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

N/A

Site Size:

Total area of facility property:	<u>246</u>	acres
Total area sited for use:	<u>149</u>	acres
Total area permitted:	<u>56</u>	acres
Operating:	<u>40</u>	acres
Not excavated:	<u>53</u>	acres
Current capacity:	<u>11,400,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>25</u>	years
Estimated days open per year:	<u>280</u>	days
Estimated yearly disposal volume:	<u>1,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

Waste-to-energy incinerators:

N/A

N/A

megawatts

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type III Construction and Demolition

Facility Name: Matlin Road Landfill (Regulated Resource Recovery)

County: Monroe Location: Town: 5N Range: 9E Section(s): 8

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☐ Public ☒ Private Owner: Regulated Resource Recovery

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☐ industrial
- ☒ construction & demolition
- ☐ contaminated soils
- ☐ special wastes *
- ☒ other: Type II Waste

* Explanation of special wastes, including a specific list and/or conditions:

N/A

Site Size:

Total area of facility property:

250

acres

Total area sited for use:

40.4

acres

Total area permitted:

40.4

acres

Operating:

17.92

acres

Not excavated:

22.48

acres

Current capacity:

766,000

☐ tons or ☒ yds³

Estimated lifetime:

23

years

Estimated days open per year:

312

days

Estimated yearly disposal volume:

34,000

☐ tons or ☒ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Type III – Construction / Demolition & Industrial Waste Landfill

Facility Name: Rockwood Landfill

County: Monroe Location: Town: 5 S Range: 10 E Section(s): 34 (East ½)

Map identifying location included in Attachment Section: ☐ Yes ☒ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☐ Public ☒ Private Owner: Standard Environmental Services, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure pending

Waste Types Received (check all that apply)

- ☐ residential
- ☐ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Non-hazardous industrial waste streams.

Site Size:

Total area of facility property:	<u>209.46</u>	acres
Total area sited for use:	<u>209.46</u>	acres
Total area permitted:	<u>209.46</u>	acres
Operating:	<u>10.92</u>	acres
Not excavated:	<u>140</u>	acres
Current capacity:	<u>22,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> bank yds ³ *
Estimated lifetime:	<u>30-35</u>	years
Estimated days open per year:	<u>206</u>	days
Estimated yearly disposal volume:	<u>600,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate yds ³ *

(if applicable)

Annual energy production:

Landfill gas recovery projects:	<u>N/A</u>	megawatts
Waste-to-energy incinerators:	<u>N/A</u>	megawatts

* 1:1 bank yds³ (bcy) & gate yds³ (gcy)

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Oakland Heights Development

County: Oakland Location: Auburn Town: Range: Section(s): 2

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N/A

☐ Public ☒ Private Owner: Allied

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:

Any non-hazardous material.

Site Size:

Total area of facility property:

179.74

acres

Total area sited for use:

acres

Total area permitted:

63.87

acres

Operating:

63.87

acres

Not excavated:

22.1

acres

Current capacity:

5,500,000

☐ tons or ☒ yds³

Estimated lifetime:

4

years

Estimated days open per year:

309

days

Estimated yearly disposal volume:

500,000

☐ tons or ☒ yds³

(if applicable)

Annual energy production:

Landfill gas recovery projects:

N/A

megawatts

Waste-to-energy incinerators:

N/A

megawatts

FACILITY DESCRIPTIONS

Facility Type: Landfill

Facility Name: Eagle Valley RDF

County: Oakland Location: Town: 4N Range: 10E Section(s): 26.27

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N / A

☐ Public ☒ Private Owner: Waste Management

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other:

* Explanation of special wastes, including a specific list and/or conditions:

Contaminated soils, chemical containing equipment, coal ash, filter cake, contaminated residuals, incinerator ash, industrial process waste, non-friable asbestos, treated medical wastes, treatment plant sludge, paint filters.

Site Size:

Total area of facility property:	<u>330</u>	acres
Total area sited for use:	<u>330</u>	acres
Total area permitted:	<u>89</u>	acres
Operating:	<u>76</u>	acres
Not excavated:	<u>13</u>	acres
Current capacity:	<u>4,700,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³
Estimated lifetime:	<u>5.9</u>	years
Estimated days open per year:	<u>286</u>	days
Estimated yearly disposal volume:	<u>1,650,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> yds ³

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>N / A</u>	megawatts
Waste-to-energy incinerators:	<u>N / A</u>	megawatts

FACILITY DESCRIPTIONS

Facility Type: Type II and Type III

Facility Name: Waste Management of Michigan/Venice Park Recycling and Disposal Facility

County: Shiawassee Location: Town: T7N Range: R4E Section(s): 26-27

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes: N / A

☐ Public ☒ Private Owner: Waste Mangement of Michigan

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☐ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☒ other: Solidification Operation

* Explanation of special wastes, including a specific list and/or conditions:
Asbestos, Medical waste.

Site Size:

Total area of facility property:	<u>325</u>	acres
Total area sited for use:	<u>80</u>	acres
Total area permitted:	<u>80</u>	acres
Operating:	<u>80</u>	acres
Not excavated:	<u>2.5</u>	acres

Current capacity:	<u>1,400,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> bank
yds ³ *		

Estimated lifetime:	<u>1.5</u>	years
Estimated days open per year:	<u>281</u>	days

Estimated yearly disposal volume:	<u>1,000,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> gate
yds ³ *		

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>11,500</u>	megawatts
Waste-to-energy incinerators:	<u>N / A</u>	megawatts

* 2 gate yds³ (gcy) = 1 bank yds³ (bcy)

FACILITY DESCRIPTIONS

Facility Type: Type II Landfill

Facility Name: Arbor Hills Landfill

County: Washtenaw Location: Town: 1S Range: 7E Section(s): 13

Address: 10690 Six Mile Road

Map identifying location included in Attachment Section: ☒ Yes ☐ No

If facility is an Incinerator or a Transfer Station, list the final disposal site and location for Incinerator ash or Transfer Station wastes : N / A

☐ Public ☒ Private Owner: Onyx Waste Services, Inc.

Operating Status (check)

- ☒ open
- ☐ closed
- ☒ licensed
- ☐ unlicensed
- ☒ construction permit
- ☐ open, but closure
- ☐ pending

Waste Types Received (check all that apply)

- ☒ residential
- ☒ commercial
- ☒ industrial
- ☒ construction & demolition
- ☒ contaminated soils
- ☒ special wastes *
- ☐ other:

* Explanation of special wastes, including a specific list and/or conditions:
Incinerator ash, asbestos, foundry, sand, wastewater sludge, trees and stumps.

Site Size:

Total area of facility property:	<u>336</u>	acres
Total area sited for use	<u>217</u>	acres
Total area permitted:	<u>217</u>	acres
Operating:	<u>113</u>	acres
Not excavated:	<u>104</u>	acres
Current capacity:	<u>31,770,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> bank
yds ³ *		
Estimated lifetime:	<u>17.6</u>	years
Estimated days open per year:	<u>264</u>	days
Estimated yearly disposal volume:	<u>3,500,000</u>	<input type="checkbox"/> tons or <input checked="" type="checkbox"/> cubic
yds ³ *		

(if applicable)

Annual energy production:		
Landfill gas recovery projects:	<u>18</u>	megawatts
Waste-to-energy incinerators:	<u>N / A</u>	megawatts

* 2 gate yds³ (gcy) = 1 bank yds³ (bcy)

APPENDIX B

EVALUATION OF RECYCLING

EVALUATION OF RECYCLING

Alternative methods of managing solid waste were researched for the 1990 Plan and Wayne County's current selected solid waste management system was implemented. After careful consideration and given the fact that the established management system has worked effectively to date, Wayne County does not believe that reevaluation of the system is warranted. Wayne County has therefore opted to continue with an integrated multidimensional plan that includes recycling and composting. Specific information regarding recycling and composting can be found on pages 42-45 of this Plan.

APPENDIX C

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS

DETAILED FEATURES OF RECYCLING AND COMPOSTING PROGRAMS

The existing Wayne County Solid Waste Management Plan calls for the development of reuse, recycling, and composting programs. Presently, curbside recycling is used in 34 of the 43 communities. Of the remaining 9 communities, 4 are host to a landfill or a waste-to-energy facility, 4 have a drop-off only recycling program, and 1 has no program. 41 of the 43 communities have a yard waste collection program. The 2 remaining communities have either a call for pick-up or a drop at landfill program.

The majority of the recyclable material that is available in the municipal waste stream falls into one of four categories: plastic; paper; metal; and glass. EPA national figures show that of the total waste generated, 38% is paper, 6% is glass, 8% is metal, and 10% is plastic. In 1999, Wayne County generated 1,295,048 tons of waste. Using EPA percentages and Wayne County's Municipal Waste Stream Report, the table below shows the quantity available for recycling, what has been recycled, and percent of available material recycled within Wayne County. With the recyclable materials diverted through the Michigan Bottle Bill, the volume of glass, plastic, and metal actually recycled is increased by ten (10) percent collectively.

Material	Wayne County Tons Potentially Available for Recycling	Wayne County Tons Diverted	Wayne County Percent Diverted
Plastic	132,094	33,421	25%
Paper	494,708	48,198	10%
Metal	98,423	41,839	42%
Glass	73,817	44,997	61%
Total:	799,042	168,455	21%

There are other items that are recycled, but due to the lack of reported amounts, it is nearly impossible to quantify on a county-wide basis. Examples of those items would be used motor oil, batteries, mercury, and anti-freeze.

In 1999, nine (9) percent of the solid waste collected was composted. This number has varied slightly, although not significantly, over the last few reporting years. The types of material that have and will continue to be composted are grass clippings, leaves, brush, and some kitchen scraps. The percentage reported does not take into consideration the households that grasscycle or backyard compost.

It is expected that the amount of material that is reported to be recycled and composted will stay constant, or increase due to continued public education.

APPENDIX D

COMPOSTING OPERATING PARAMETERS

Composting Operating Parameters

Wayne County is not proposing to operate a composting facility and therefore does not subscribe to operating parameters. The compost facilities located within Wayne County must meet the requirements of the Wayne County Solid Waste Ordinance. Division staff inspects the approved compost facilities within Wayne County twice per month from April through November. The inspections verify compliance with the Ordinance and review recommended practices for operations. A copy of the inspection report is included in this Appendix.

**WAYNE COUNTY DEPARTMENT OF ENVIRONMENT
LAND RESOURCE MANAGEMENT DIVISION
INSPECTION REPORT**

Page 1 of _____

COMPOST FACILITY ☐ **APPROVED** ☐ **UNAPPROVED**

N _____ OF FACILITY

FACILITY/ADDRESS _____

NAME OF OPERATOR _____

**LEGEND: (C)=COMPLIANCE (N)=NONCOMPLIANCE (--)=NOT EVALUATED (*)=TAKE NOTE
EXPLANATIONS ARE DETAILED ON THE BACK OF THIS FORM**

		REMARKS: WIND DIRECTION: _____ SPEED: _____ MPH
	A. Noise and Vibration Control	
	B. Road Cleaning and Maintenance	
	C. Dust and Odor Control	
	D. Operations Conform to Plans & Conditions	
	E. Routine Cleaning & Blowing Debris	
	F. Landscape Requirements	
	G. Slope of Grade	
	H. Surface/Ground Water Protection	
	I. Container Removal	
	J. Equipment Maintenance/Adequacy	
	K. Storage of Finished Compost	
	L. Restricted Access/Attendant	
	M. Leachate Management	
	N. Decomposition Process	
	O. Contingency Abatement Plan	

REVIEWED & RECEIVED BY (This signature does not imply agreement or disagreement with any violation noted.) _____	DATE (M/D/Y) _____	TIME OF INSPECTION _____
--	--------------------	--------------------------

INSPECTED BY _____	REPRESENTING Wayne County Department of Environment (D.O.E.) Land Resource Management Division
--------------------	--

Distribution: 1 Original to D.O.E., 1 Copy to Operator/Owner, 1 Copy to Department of Environmental Quality

Unless otherwise noted, please address above issues no later than by the next routine inspection. If you have questions please contact the Land Resource Management Division. (734) 326-3936

EXPLANATIONS

For the following, "Ordinance" refers to the Wayne County Solid Waste Ordinance No. 2000-654

- A. All compost facilities shall be designed, constructed, and operated so that fugitive dust, noxious odors, noise, and blowing debris are controlled and do not cause off-site problems or nuisances. [Ordinance Section 210 as per section 235.3]
- B. Cleaning and maintenance of onsite and offsite roads as described in siteplan submitted as required by section 235.2
- C. All compost facilities shall be designed, constructed, and operated so that fugitive dust, noxious odors, noise and blowing debris are controlled and do not cause off-site problems or nuisances. [Ordinance Section 210 as per section 235.3]
- D. All compost facilities shall operate in accordance with an approved site plan and approved conditions. [Ordinance Section 235]
- E. All compost facilities shall be designed, constructed, and operated so that fugitive dust, noxious odors, noise and blowing debris are controlled and do not cause off-site problems or nuisances. [Ordinance Section 210 as per section 235.3]
- F. All compost facilities shall be landscaped and maintained to provide visual screening of the site. [Ordinance Section 200 as per section 235.3]
- G. The site should be graded at a minimum one percent slope to minimize ponding of water and to maintain flow in the direction of drainage collection ditches, away from the composting material. [Ordinance Section 235.6(A)]
- H. The site should be compacted, graded and/or ditched to prevent contaminants from exiting the site via surface or groundwater. [Ordinance Section 235.6(B)]
- I. Roll-off boxes, or similar waste containers, containing wastes not suitable for composting, should be moved off site on a regular basis (i.e. weekly) or more often as sufficient to prevent nuisance conditions. [Ordinance Section 235.6(C)]
- J. The operator should provide adequate size and quantity of equipment on site & should provide for its routine operational maintenance. [Ordinance Section 235.6(D)]
- K. Finished compost should be kept clearly separated from incoming yard clippings and unfinished compost for proper delineation of materials. [Ordinance Section 235.6(E)]
- L. Access should be limited to times when a responsible individual is on duty. A notice stating the hours and days of operation should be conspicuously posted at the entrance to the facility. [Ordinance Section 235.6(F)]
- M. Any leachate generated during mixing or composting shall be collected and reintroduced into the compost pile, directed to a sanitary sewer if an NPDES permit is obtained, handled by an approved method, or transported by a liquid industrial waste hauler which is properly licensed under the Michigan Liquid Waste Haulers Act. [Ordinance Section 235.6(G)]
- N. A written plan shall be developed for the operation of the compost facility. Temperature, moisture content, etc. of compost piles should be monitored regularly and site specific turning criteria should be developed. [Ordinance Section 235.6(H)]
- O. A contingency abatement plan should be developed to provide for a malfunctioning operation. The plan should, at a minimum, specify all of the following: a.) Identification of supervisory personnel responsible for putting the abatement plan into action; b.) Mechanism by which offending odor source, contaminant runoff, or other malfunction will be eliminated; c.) Method by which new incoming material will be halted or handled; and d.) Criteria and method by which routine operations will recommence. [Ordinance Section 235.6(J)]

***Please Note: These explanations may not be all inclusive. As owner/operator, you are required to comply with all applicable laws governing the handling of yard waste for composting.**

APPENDIX E

COORDINATION EFFORTS

Coordination Efforts

The Wayne County Executive and Commission, by adoption of this solid waste plan and by the authority to adopt a countywide solid waste ordinance, have ultimate responsibility for its implementation. The Executive and Commission subsequently authorize the Wayne County Department of Environment to implement and enforce the Plan. The Department's Land Resource Management Division maintains inter-division relationships with the Air Quality Division, and Department of Public Works and coordinates their efforts with all applicable state and federal regulations. The Wayne County Solid Waste Ordinance specifically supplements provisions of Part 115 of the Michigan Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and its Administrative Rules.

Implementation of the various components of this Plan requiring agreements between public and private sectors will be the responsibility of those specific parties to coordinate. For example, the Plan requires solid waste facilities to enter into Host Community Agreements prior to becoming included in the Plan. These types of agreements take all levels of applicable laws and ordinances into account.

APPENDIX F

COSTS AND FUNDING

Costs and Funding

Wayne County's selected solid waste management system is managed and operated by private and public entities. As such, funding is handled at the local municipal level for residential wastes and by private business for commercial and industrial wastes.

Wayne County's Solid Waste Program, including its role in implementing this Plan, is funded through the tipping fees collected from the Type II landfills within Wayne County. The basis for these tipping fees can be found in the following excerpt from Wayne County's Enrolled Ordinance No. 95-456, Composite Ordinance, Comprehensive User Fees. (*Note: The following italicized text is added for clarification and is not part of the actual Ordinance language.*)

Section 7

7.350 Solid waste regulatory, planning and administrative service (including County Solid Waste Plan implementation per Public Act 641 of 1978, [*Michigan's Natural Resources and Environmental Protection Act, PA 451, Part 115*] as amended) fees to be assessed operators of landfills:

(a) Solid waste disposed in Type II landfills, 11 cents per cubic yard or 33 cents per ton.

(1) Solid waste disposed in special purpose Type II landfills, as described on page 128 of the County Solid Waste Plan [*The 1990 Wayne County Solid Waste Management Plan*], is not subject to this fee.

(2) Payments are to be made quarterly based on gate receipts and submitted concurrent with solid waste reports required by the Wayne County Solid Waste Ordinance.

(3) Gate receipts or similar records of the solid waste landfills shall be made available, upon request, for review by representatives of the Health Department or Division of Public Works.

(b) Solid waste disposal in type II landfills, 15 cents per cubic yard or 45 cents per ton, from April 1, 1992 to December 31, 1992 only, in lieu of subsection (a).

This revenue funds all aspects of the Solid Waste Program including planning, compliance and enforcement, and educational outreach. In addition an application fee is collected as part of the facility inclusion process to help defray the costs associated with this review process.

The Land Resource Management Division employs solid waste inspectors, solid waste planners, an engineer, and a geologist whose technical capabilities are vital to solid waste management practices. The solid waste inspectors are responsible for inspecting the solid waste facilities for operational compliance. The program engineer reviews facility design documents and criteria and makes recommendations to the MDEQ regarding licensure of the sites. The program geologist monitors various geological aspects including ground water quality. Finally, the solid waste planning staff are responsible for enforcing aspects of the Plan relating to waste stream reporting and public outreach involving the preferred solid waste hierarchy.

APPENDIX G

**WAYNE COUNTY
SOLID WASTE ORDINANCE**

Approved 10/19/00

ENROLLED ORDINANCE

No.2000-654

INTRODUCED BY COMMISSIONER(S): Boike

WAYNE COUNTY SOLID WASTE ORDINANCE

SECTION 100 PREAMBLE

An Ordinance to protect the public health and land, air, water, and other natural resources of the county; to supplement provisions of, Part 115 of the Michigan Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, ("NREPA") and its Administrative Rules; to regulate specified solid waste management practices; to control the operations of solid waste facilities and prevent any adverse off-site effects of operations; to provide an enforceable mechanism for implementation of the Wayne County Solid Waste Plan; to prescribe the powers and duties of agencies; to provide for appeals; and to provide for penalties and remedies.

IT IS HEREBY ORDAINED BY THE PEOPLE OF THE CHARTER COUNTY OF WAYNE:

SECTION 110 GENERAL PROVISIONS

111 Enabling Clause

111.1 The County of Wayne, as authorized by the Wayne County Home Rule Charter, Article IV, Part IV, Section 4.343.(b), and Sections 324.11508, 324.11531, and 324.11532 of NREPA, hereby adopts the Wayne County Solid Waste Ordinance. The County Commission of Wayne County under authority of Section 3.115 (1) of the Wayne County Home Rule Charter, approves the Wayne County Solid Waste Ordinance. This Ordinance is also authorized and enacted pursuant to the provisions of the Michigan Public Health Code P.A. 368 of 1978, as amended, MCL 333.2611.

112 **State Incorporated Requirements**

112.1 Incorporated in this Ordinance by reference are: MCL 324.11501 through 11507, 11509 through 11536, 11537a, 11541 through 11543, 11545, 11546 and 11548 of NREPA, and the State Administrative Rules promulgated thereunder, MAC R 299.4101 through R299.4140; MAC R299.4203 through R299.4602 and R299.4703 through 4708; MAC R299.4710 through 4711; MAC R299.4901 through 4922. Copies of any material referenced in this section (PART 115 of NREPA and the attendant State Administrative Rules) are available at a nominal charge from the Wayne County Department of Environment.

112.2 All solid waste disposal areas shall be designed, constructed, operated, maintained, monitored, and closed in accordance with the requirements of Part 115 of the NREPA, the State Administrative Rules promulgated thereunder, this Ordinance, and the Wayne County Solid Waste Management Plan.

113 **County Requirements**

113.1 Proposals for construction, modification, expansion, alteration, reconstruction and operation of a solid waste disposal area shall comply with this Ordinance, the Wayne County Solid Waste Management Plan, the Wayne County Storm Water Management Ordinance, the Wayne County Air Quality Management Ordinance and any other applicable statutes or regulations. Copies of the Solid Waste Management Plan, the Wayne County Storm Water Ordinance and Wayne County Air Quality Management Ordinance are available for review or for purchase from the Wayne County Department of Environment.

113.2 This Ordinance shall be applicable in Wayne County as provided by law.

114 **Technological Advances**

114.1 The use of technological advances which meet the intent of applicable sections of this Ordinance shall not be prohibited. An applicant or licensee who wishes to utilize a newly developed system, device or procedure, shall request approval from the Department prior to use of the new technology. If the Department determines that the technological advance would provide performance equivalent to a requirement of this Ordinance, the new technology shall be approved.

SECTION 120 DEFINITIONS

120.1 The words and phrases used in this Ordinance have the meanings ascribed to them by this section, or Sections 324.11502 through 11506 of NREPA and its Administrative Rules.

120.2 Words and phrases used in the present tense include the future; words and phrases in the masculine gender include the feminine and neuter; the singular number includes the plural and the plural includes the singular.

120.3 Where words and phrases are not defined under the provisions of this section, they shall have ascribed to them their ordinarily accepted meanings, or such as the context herein may imply.

"ASTM" means the American Society for Testing and Materials.

"C.F.R." means the Code of Federal Regulations published by the Office of the Federal Register, National Archives and Records Service, General Services Administration, Washington, D.C.

"Commercial Waste" means all types of solid waste generated by stores, offices, restaurants, warehouses, and other non-manufacturing activities, but does not include household waste, hazardous waste, and industrial waste.

"Compliance Boundary" means the solid waste boundary or an alternative boundary specified in accordance with 40 C.F.R. part 257.3-4(b).

"Composting" means the process by which biological decomposition of solid waste is carried out under controlled aerobic conditions and which stabilizes the organic fraction into a material that can easily and safely be stored, handled and used in an environmentally acceptable manner. The presence of insignificant and anaerobic zones within the composting material will not cause the process to be classified as other than composting.

"Composting Facility" means a facility where composting of yard clippings or combustible material occurs using composting technology. Composting technology may include

physical turning, windrowing, aeration, or other mechanical handling of organic matter.

"County" means the County of Wayne, Michigan.

"County Commission" means the elected Wayne County Commission.

"Department" means the Wayne County Department of Environment.

"Designated Solid Waste Agency" means the Land Resources Management Division of the Wayne County Department of Environment; or the County Agency which the Wayne County Chief Executive Officer designates to seek criminal complaints and warrants as authorized.

"Division" means any duly authorized agent of the Land Resource Management Division of the Wayne County Department of Environment.

"Division Director" means the Director of the Wayne County Land Resource Management Division of the Department of Environment or his/her authorized representative.

"Drainage Systems" means all swales, ditches, pipes, stormwater detention/retention basins, and sedimentation ponds used to convey stormwater at the solid waste disposal area.

"Existing Solid Waste Disposal Area" means any of the following: (i) a solid waste disposal area that has been issued a construction permit pursuant to the provisions of the Act; (ii) a solid waste disposal area that had engineering plans approved by the director of the Michigan Department of Natural Resources before January 11, 1979; or (iii) an industrial waste pile that is located at the site of generation.

"Facility Inclusion Committee" means the committee appointed to make decisions regarding the placement of solid waste disposal facilities within Wayne County, as set forth in the Wayne County Solid Waste Management Plan.

"Fugitive Dust" means particulate matter emitted into the outdoor atmosphere from outdoor or indoor activities,

operations or premises due to forces of wind or man's activity.

"Generator" means any person, county, municipality, state or federal facility whose activity results in the generation of a solid waste.

"Hazardous Waste" means those wastes that are regulated by Part 111 of NREPA, its Administrative Rules or 40 CFR parts 260 through 265 of the Federal Regulations.

"Health Department" means the Wayne County Health Department.

"Health Director" means the director of the Health Department.

"Household Waste" means any solid waste, including garbage and trash that is derived from households, including single and multi-residences, hotels and motels.

"Industrial Waste" means solid waste which is generated by manufacturing or industrial processes, or originates from an industrial site and which is not a hazardous waste regulated pursuant to the provisions of Part 115 of NREPA.

"Industrial Waste Landfill" means a landfill that is used for the disposal of non-hazardous industrial waste pursuant to Part 111 of NREPA.

"Leachate" means liquid which has come in contact with, passed through, or emerged from, solid waste and which contains soluble, suspended, or miscible materials that are removed from the wastes.

"Leachate Discharge" means any non-permitted release of leachate that is causing or has the potential to cause contamination of groundwater, surface water or the environment.

"Licensee" means the person to whom a Solid Waste Disposal Area License has been issued pursuant to Part 115 OF NREPA.

"Liner" means any natural soil sidewall or base, compacted soil sidewall or base, or synthetic material sidewall or base which is utilized to contain solid waste or the leachate generated therefrom.

"Liquid" means a fluid with a solids content less than 20%.

"Main Interior Haul Roads" means all on-site roads which are used by solid waste transporting units on a routine basis.

"Municipal Solid Waste Landfill" or "Type II Landfill" means a landfill which receives household waste, municipal solid waste, incinerator ash, or sewage sludge and which is not a land application unit, surface impoundment, injection well, or waste pile. A Municipal Solid Waste Landfill also may receive other types of solid waste, such as commercial waste, non-hazardous sludge, conditionally exempt small quantity generator waste, and industrial waste. Such landfill may be publicly or privately owned.

"Off-site Roads" means all roads and their respective right-of-way, outside the solid waste disposal area boundary, which are used by solid waste transporting units entering or exiting the solid waste disposal area.

"On-site Roads" means all roads temporary or permanent which are within the licensed solid waste disposal area.

"Operator" means the person who is in control of or responsible for the operation of a facility or part of a facility.

"Owner" means the person who owns a facility or part of a facility.

"Part 31" means Part 31 of NREPA, as amended, being MCL 324.3101 through 324.3133.

"Part 55" means Part 55 of NREPA, as amended, being MCL 324.5501 through 324.5542.

"Part 111" means Part 111 of NREPA, as amended, being MCL 324.11101 through 324.11152.

"Part 115" means part 115 of NREPA, MCL 324.11501 through 324.11550.

"Part 201" means Part 201 of NREPA, as amended, being MCL 324.20101 through 324.20142.

"Person" means an individual; sole proprietorship; partnership; association; corporation, public or private, organized or existing under the laws of this state or any other state, including a federal corporation; this state or an agency or department of this state; a municipality in this state; or a county in this state.

"Public Servants" means representatives of the division, designated by the Commissioners, Wayne County Commission, to issue and serve appearance tickets.

"Resource Recovery Facility" means machinery, equipment, structure or any parts or accessories of machinery, equipment or structures, installed or acquired for the primary purpose of recovering materials or energy from the waste stream.

"Sanitary Landfill" means a type of disposal area consisting of one or more landfill units and the active work areas associated with these units. Sanitary Landfill shall be classified as one of the following types of landfills:

- (i) A Type II Landfill, which is a municipal solid waste landfill, and includes a municipal solid waste incinerator ash landfill.
- (ii) A Type III Landfill, which is any landfill that is not a municipal solid waste landfill or a hazardous waste landfill and includes both of the following:
 - (a) construction and demolition waste landfills.
 - (b) industrial waste landfills.

"Sewage" means a liquid waste which includes human excreta, wastes from sink, lavatory, bathtub, shower or laundry, and any other liquid waste of organic or chemical nature, either singularly or in any combination thereof.

"Significant Storm Event" means a storm that generates 0.1 inches or more of rainfall in 24 hours.

"Sludge" means any semi-solid that has more than 20% but less than 60% solids.

"Solid Waste" means garbage, rubbish, ashes, incinerator ash, incinerator residue, street cleanings, municipal and industrial sludges, solid commercial and solid industrial waste, and animal waste other than organic waste generated in the production of livestock and poultry, but does not include human body waste, medical or liquid or other waste regulated by statute, ferrous or nonferrous scrap directed to a scrap metal processor or to a reuser of ferrous or nonferrous products, slag or slag products directed to a slag processor or to a reuser of slag or slag products, or certain sludges, ashes described in Section 324.11506(g) of Part 115, materials approved for emergency disposal by the Director of the Michigan Department of Environmental Quality, source separated materials, site separated materials and fly ash or other ash produced from the combustion of coal, when used as identified in Section 324.11506 (k) of Part 115.

"Solid Waste Boundary" means the outermost perimeter of the solid waste (projected in the horizontal plane) as it would exist at completion of the sanitary landfill and as authorized in a construction permit or in engineering plans approved for the landfill unit by the solid waste county agency before January 11, 1979.

"Solid Waste Planning Committee" means the committee appointed to assist in the implementation of the approved Wayne County Solid Waste Management Plan.

"Solid Waste Disposal Area" means a solid waste transfer facility, incinerator, sanitary landfill, processing plant, and resource recovery facility or other solid waste handling and disposal facility utilized in the disposal of solid waste.

"Solid Waste Management Plan" means the approved Wayne County Solid Waste Management Plan, as required by Part 115, and its approved updates.

"Yard Clippings" means leaves, grass clippings, vegetable or other garden debris, shrubbery, or brush or tree trimmings, less than 4 feet in length and 2 inches in diameter, that can be converted to compost humus. Yard clippings do not include stumps, agricultural wastes, animal waste, roots, sewage sludge, or garbage.

SECTION 140 GENERAL PROHIBITIONS AND NOTIFICATIONS.

- 140.1 Sanitary Landfills are prohibited from accepting materials that would prevent the landfill liner from performing as designed, hazardous waste, liquids, yard clippings and sewage.
- 140.2 If an owner/operator discovers that the Sanitary Landfill has accepted hazardous wastes, liquids or sewage, the owner/operator of the landfill shall immediately notify the Division in writing of the incident and document the incident in the operational record.
- 140.3 A Sanitary Landfill may not accept waste from any municipality within the State of Michigan unless that municipality has a recycling program consistent with the recycling provisions of the Wayne County Solid Waste Management Plan. Within thirty (30) days of commencing receipt of waste from a municipality within the State of Michigan, the landfill shall submit to the Division a certification from that municipality that it is implementing a recycling program consistent with the Wayne County Solid Waste Management Plan.
- 140.4 All Sanitary Landfills, Resource Recovery Facilities, transfer stations, composting facilities and process facilities shall immediately notify the Division of any fires, or spills of leachate, fuel, or wastes, if the spill is 55 gallons or greater or is of a quantity that requires reporting to any State or Federal agency.

SECTION 150 ON-SITE ROADS

- 150.1 This section is enacted to assure that on-site roads shall be constructed to provide for all weather accessibility and for the easy removal of mud, waste, and dust.
- 150.2 Main interior haul roads, and entrance and exit facilities at solid waste disposal areas shall be paved. These roads shall be constructed to adequately support the anticipated loads and maintained to assure structural integrity during the useful life of the roads.
- 150.3 Requirements for paving additional on-site roads may be required by the Department if the intent of Section 160 is not being met.

- 150.4 All on-site unpaved roads shall be maintained to prevent off-site and minimize on-site fugitive dust emissions. All on-site paved roads shall be cleaned to remove mud, dust, and waste materials from the road surfaces.

SECTION 160 OFF-SITE ROAD MAINTENANCE

- 160.1 This section is enacted to assure that tracking of mud and/or solid waste materials from solid waste disposal areas onto public off-site roads will be minimized and to assure that mud and/or solid waste materials which are tracked off-site are adequately removed.
- 160.2 Each licensee of a solid waste disposal area shall maintain, revise, and provide to the Department, as necessary, an Off-Site Road Maintenance Plan which addresses, at a minimum, the following:
- A. Method of dislodging mud and/or solid waste materials from the vehicles or undercarriage.
 - B. If a water wash system is utilized:
 - 1. Describe where the wash water will be contained.
 - 2. The method and location for removal and disposal of sediment and contaminated water.
 - C. A traffic control pattern, including a by-pass road around the truck cleaning area if applicable.
 - D. Method for removing soil, dust and/or solid waste materials attributable to the solid waste disposal operations from public off-site roads within 2,500 feet of the solid waste disposal area entrance and exits.
- 160.3 Trucks and off-site roads shall be cleaned as described in the plan cited in subsection 160.2 as often as necessary to prevent the occurrence of nuisances resulting from the tracking of mud and/or solid waste materials.
- 160.4 All solid waste materials, mud and dust which are removed from public off-site roads shall be disposed of as a solid waste.

SECTION 170 LEACHATE COLLECTION AND REMOVAL SYSTEMS

- 170.1 Leachate collection and removal systems are to be designed, constructed and maintained to minimize the build-up of leachate within a sanitary landfill, and the possibility of ground and surface water contamination.
- 170.2 All non-permitted leachate discharges are to be immediately eliminated. All actions to eliminate such discharges shall adequately prevent ground and surface water contamination.
- 170.3 All sanitary landfills shall have a leachate collection and removal system meeting the design requirements of MAC R299.4423, the operating requirements of MAC R299.4432 and the following minimum requirements.
- A. The owner/operator shall monitor the leachate collection system and record the leachate depths on a weekly basis to assure compliance with the applicable hydraulic head limit set forth in Part 115.
 - B. The method of leachate disposal shall be approved by the Department to protect the public health, welfare, and environment unless the disposal method is regulated by state or federal law.
 - C. The collected leachate shall be disposed of in a manner that is in compliance with applicable laws and that does not harm the environment.
 - D. All leachate collection system pipes shall be cleaned or flushed as necessary to maintain proper operation of the system. Every three years, the owner/operator shall provide documentation that the pipes are operating at the designed capacities.
- 170.4 The facility may recirculate leachate, liquid from the secondary collection system, or gas condensate back to a disposal unit. Prior to recirculation, a recirculation plan must be submitted to, and approved by, the Division.

SECTION 180 GAS MANAGEMENT SYSTEM

- 180.1 The owner/operator of a Sanitary Landfill shall comply with the requirements of MAC R 299.4433.

- 180.2 The owner/operator of a Sanitary Landfill shall immediately notify the Division if methane gas levels exceed the limits specified in MAC R.299.4433 (1) and provide to the Division within 60 days of detection, the plan to remediate for the methane gas releases.
- 180.3 The owner/operator of a Sanitary Landfill shall assure that the decomposition gases which are generated within the Sanitary Landfill do not cause a hazard or nuisance to health, safety, and welfare of the public.
- 180.4 Along with the construction permit application, the applicant shall submit plans for a gas migration control system. This system shall be designed, operated, and maintained to meet the following minimum requirements:
- A. The system shall prevent lateral gas movement from the site, or gas accumulation in nearby structures on-site or off-site.
 - B. The system shall prevent the decomposition gas concentrations from causing a public health hazard or nuisance.
- 180.5 The Division may establish alternate schedules for demonstrating compliance pursuant to MAC R.299.4433 (4).
- 180.6 Gas Management Design Considerations
- A: The final cover design for type II landfills shall have either of the following to meet the gas control requirements:
 - 1. A permeable soil layer which is not less than one (1) foot thick and which is located directly below the infiltration layer that vents landfill gas to gas risers.
 - 2. Other means of assuring that gases cannot travel laterally from the site or accumulate in structures
 - B. The base elevation for any gas well installed as part of a gas management system shall be at a minimum of 10 feet above the liner.

180.7 If methane gas levels exceeding the limits in MAC R299.4433(1) are detected from either an active or closed landfill unit, the owner/operator shall do all of the following:

A. Immediately take all necessary steps to ensure protection of human health and notify the Division.

B. Within 7 days of detection, submit to the Division and place in the operating record, the methane gas levels detected, and a description of the steps taken to protect human health.

C. Within 60 days of detection, implement a remediation plan for the methane gas releases, place a copy of the plan in the operating record, and notify the Division that the plan has been implemented. The plan shall describe the nature and extent of the problem and the proposed remedy.

SECTION 190 SOIL EROSION, SEDIMENTATION CONTROL AND STORMWATER MANAGEMENT

190.1 The landfill owner/operator shall control runoff from the active work area of the landfill, and shall institute soil erosion control and sedimentation control measures as necessary to comply with the Wayne County Stormwater Management Ordinance and provisions of part 91 of the NREPA, being sections 9101 through 9123 of public act no. 451 of 1994, as amended, and Sections 324.9101 through 324.9123 of the Michigan Compiled Laws.

190.2 The landfill final cover design shall be sufficient to limit erosion to not more than two (2) tons per acre per year based upon the Universal Soil Loss Equation ("USLE"), or other method approved by the Division. The landfill shall use drainage swales every twenty (20) vertical feet in order to meet the performance criteria of less than 2 tons/acre/year. The facility may choose a design other than drainage swales every 20 vertical feet, if the facility can demonstrate, using the USLE, that the performance criteria is met.

190.3 A combination of sedimentation/retention basin(s), swales and/or ditches shall be required at all sanitary landfills to retain the sediment eroded from the site, and the runoff produced by a 25-year, 24-hour storm.

- 190.4 The drainage system and sedimentation/retention basin(s) shall be designed, and constructed according to currently accepted engineering standards and practices provided that the minimum surface area of the basin is 150 times the maximum flow (expressed in cubic feet per second) out of the basin.
- 190.5 All sedimentation/retention basins, swales, ditches, and other components of the drainage system shall be maintained in compliance with the following:
- A) All side slopes shall be no steeper than three horizontal to one vertical.
 - B) The basin(s), swales and ditches shall be stabilized with seed and mulch in accordance with Section 200.5.
 - C) The basin(s), swales and ditches shall be cleaned out, at a minimum, once per year, unless the owner/operator provides documentation that they are operating at the designed capacities.

SECTION 200 LANDSCAPING REQUIREMENTS

- 200.1 All solid waste disposal areas shall be landscaped and maintained in accordance with the landscaping plan approved by the Division and the minimum requirements of 200.4 and 200.5.
- 200.2 A landscaping plan that complies with the requirements of this section must be submitted to the Division prior to the Facility Inclusion Committee's review of the solid waste disposal area proposal. This plan shall address, at a minimum, the following:
- A. A description of the visual screening to be utilized at the disposal area, and
 - B. A schedule for installation of the visual screening.
- 200.3 The adequacy of the landscaping plan shall be determined by the Division.
- 200.4 The landscaping requirements listed in this subsection shall be utilized at all solid waste disposal areas unless otherwise approved in writing by the Division. Alternate landscaping may be approved if the applicant

demonstrates that the requirements of this subsection are not necessary. The request by the applicant may include a demonstration that adjacent property owners will not be subjected to visual nuisances by disposal operations.

A. Landfilling operations shall be conducted and progress in a manner that will preserve the natural screening vegetation as long as practical.

B. Where screening berms are not required by MAC 299.4305 and MAC 299.4412, greenbelt areas around the site perimeter shall be established to provide a visual buffer between the landfill and adjacent property. These greenbelt areas must be landscaped in accordance with the minimum standards of subsection 205(B).

C. Where screening berms are required by MAC 299.4305 and MAC R 299.4312, the berms shall be stabilized as prescribed in subsection 200.5 (C) and vegetated with a combination of deciduous trees, evergreen trees, shrubs and grasses or ground cover.

200.5 All bare earth slopes and disturbed areas shall be stabilized with topsoil, seed and straw mulch, or equivalent, in conformance with the procedures prescribed in this subsection, between April 1 and June 15 of each year, and between September 15 and November 1 of each year, weather permitting. Alternative stabilization methods may be approved in writing by the Division.

A. A minimum of three (3) inches of topsoil cover shall be utilized when establishing vegetation on all landscaped areas not planted with trees or shrubs. Vegetation shall be either suitable grasses or ground cover.

B. Greenbelts must be landscaped with a minimum of one tree per 3000 sq. ft. of greenbelt area. The trees may be either deciduous or evergreens and may be planted in rows, random, or groupings so as to be visually appealing. Natural vegetation at equivalent densities may be utilized to meet these requirements.

C. Berms must be landscaped with a minimum of one tree and one shrub per 30 linear feet of berm. Trees may be deciduous or evergreen and may be

planted in rows, random, or groups so as to be visually appealing.

D. Trees and shrubs when planted must meet the following minimum standards.

1. Deciduous trees must be at least 2.5 inch caliper.
2. Evergreens must be at least 4 feet in height.
3. Shrubs must be at least 2 feet in height unless they are tree like shrubs then they must be at least 4 feet in height.
4. The following trees are not acceptable: Box Elder, Soft Maples, Elms, Poplars, Willows, Horse Chestnuts, Tree of Heaven and Catalpa.

SECTION 210 FUGITIVE DUST, NOXIOUS ODORS, NOISE, AND BLOWING DEBRIS

- 210.1 The operation of a solid waste disposal area shall not result in unreasonable off-site deterioration of air quality, cause unreasonable interference with the comfortable enjoyment of life or property, or cause injurious effects to human health, safety, or welfare. All solid waste disposal areas shall be designed, constructed and operated so that fugitive dust, noxious odors, noise, and blowing debris are controlled and do not cause off-site problems or nuisances.
- 210.2 The applicant shall submit with the construction permit application an operations plan to minimize the off-site occurrences of fugitive dust, noxious odors, and blowing debris. This plan may include such measures as: restricting the daily work area, refusing to accept certain waste streams, installing portable fences, applying masking agents, using intensive labor efforts, stipulating a greater frequency for cover, or other appropriate measures. This plan shall be approved by the Division.
- 210.3 If an off-site problem or nuisance condition exists, as determined by the Division, despite compliance with the operation plan, then a contingency plan shall be developed by the owner/operator. This contingency plan

shall be submitted within 10 working days from the date that the Division notifies the owner/operator. This plan shall demonstrate to the satisfaction of the Division that the problem will be abated within the shortest practical time period.

- 210.4 In the preparation of the operations plan required by Subsection 210.2, or the contingency plan which may be required by Subsection 210.3, the applicant or owner/operator shall comply with the requirements of Part 55 or the Wayne County Air Quality Management Ordinance, whichever is more stringent.

SECTION 220 SLUDGE DISPOSAL, MONITORING AND REPORTING REQUIREMENTS

- 220.1 The requirements listed in this section are to protect the health, safety, and welfare of the public, to protect water and other natural resources, and to prevent nuisance conditions.
- 220.2 All municipal and industrial sludges disposed of in a sanitary landfill shall not contain any free liquid as determined by Method 9095, known as the Paint Filter Test. This subsection does not apply to Type III sludges delivered to Type III landfills that collect and discharge free liquids under a state or federal discharge permit.
- 220.3 Sludge odors and pathogens shall be controlled, prior to acceptance for disposal.
- 220.4 Sorbent material may be used to increase the solids content of a sludge or liquid at a licensed processing facility. The sorbent material shall be of a nature that will not decompose over time and shall be added prior to delivery of the sludge to the sanitary landfill. Periodic analysis of the sorbent material may be required by the Division to assure the sorbent material's continued performance.
- 220.5 Operators of solid waste disposal areas that accept sludges shall keep on file at the disposal location the following information:
- A. A list of all sludges accepted which includes the generator name and a description of the sludge.

B. The daily quantities and types of sludges from each generator.

C. The following daily test results if required by the Division:

1) The paint filter test results for the various sludge/sorbent material mixtures.

2) The pH of any chemically stabilized sludge.

D. Analysis to verify that the sludge is not a hazardous waste.

220.6 For any non-hazardous sludge which is received from a generator on a continual basis, the analysis required by subsection 220.2 shall be updated annually. The Division may require an increased frequency of the analyses if:

A. Observation of the sludge at the disposal site suggests that there has been a change in sludge characteristic; or

B. The process that generates the sludge is suspected or known to generate an inconsistent waste.

220.7 If a sludge or sludge-sorbent mixture that does not meet the requirements of subsections 220.2, 220.3, and 220.4, is delivered to a sanitary landfill, the operator shall:

A. Not accept the materials for disposal, and

B. Immediately notify the Division.

220.8 If as a result of sludge disposal operations it is determined that violations of this Ordinance occur at the solid waste disposal area, modified or alternative disposal techniques shall be instituted to abate the violation. Such techniques shall effectively increase the solids content of the sludge beyond the requirements cited in subsection 220.2 by either:

A. Adding sorbent material to the sludge, or increasing the quantity of sorbent material added to the sludge, prior to delivery to the Sanitary Landfill, or

B. Adding additional sorbent material to the sludge at the Sanitary Landfill.

- 220.9 Sorbent material added to the sludge at the Sanitary Landfill shall be non-degradable.
- 220.10 Sorbent material stored at the landfill shall not cause a violation of this Ordinance.

SECTION 230 GROUND AND SURFACE WATER QUALITY

- 230.1 All sanitary landfills shall be located, designed, constructed, and operated to assure that ground and/or surface waters are not contaminated. To assure compliance with this Section, all sanitary landfills shall submit to the Division for approval a hydrogeological monitoring plan.
- 230.2 The hydrogeological monitoring plan shall include a surface water monitoring program for any surface water that may receive runoff from the active work area. The surface water monitoring program must be approved by the Division.
- 230.3 Analysis for all ground and surface water monitoring events shall be submitted to the Division within thirty (30) days after the end of the calendar quarter.
- 230.4 The owner/operator shall statistically evaluate ground-water data for each hazardous constituent identified in the facility's hydrogeological monitoring plan in conformance with MAC R.299.4908.
- 230.5 Any notification required pursuant to the following rules shall also be made to the Division; MAC R 299.4440 through 299.4445, 299.4318 and 299.4319.

SECTION 235 PROCESSING, RECYCLING, COMPOSTING, TRANSFER FACILITIES

- 235.1 This section establishes the requirements and procedures for operation of solid waste processing facilities, resource recovery facilities, composting facilities and transfer stations for all facilities to be operated in Wayne County.

235.2

All processing, resource recovery, composting and transfer facilities shall submit to the Division for approval, prior to construction, the following:

A. Site plans including:

- 1) A vicinity map and legal description
- 2) Distances to the nearest adjacent residence and commercial and industrial facilities
- 3) Proposed storage areas
- 4) Utility locations including storm and sanitary sewers and water mains
- 5) Fire hydrant locations
- 6) Access route traffic patterns as well as on-site traffic patterns
- 7) All existing and proposed visual screening measures
- 8) Surface water drainage patterns

B. Written documentation addressing the following, if applicable:

- 1) Expected volumes of incoming waste; recyclables; and/or yard clippings;
- 2) Hours of operation;
- 3) Methods of controlling fugitive dust, noxious odors, noise and blowing debris;
- 4) Fencing and other means of limiting access;
- 5) Method of handling wastes and recovered materials;
- 6) Expected frequency of removal of recovered materials;
- 7) Expected frequency for turning of composting windrows;

8) Fire protection;

9) Description of daily cleanup procedures.

235.3 All processing facilities, resource recovery facilities, composting facilities and transfer stations shall comply with the requirements of sections 200 and 210 of this Ordinance.

235.4 All facilities covered under this section must notify the Chair of the Wayne County Solid Waste Planning Committee as well as the Division that actual operations have begun.

235.5 Upon any change in ownership of a solid waste disposal area, the owner/operator of the facility shall notify the Division in writing.

235.6 In addition, all composting facilities shall comply with the following:

A. The site shall be graded at a minimum 1 percent slope to minimize ponding of water, maintain flow in the direction of drainage collection ditches, and direct flow away from the composting material.

B. The working areas of the site shall be compacted, graded and/or ditched to prevent contaminants from exiting the site via surface water or groundwater.

C. Roll-off boxes, or similar waste containers, containing wastes not suitable for composting, shall be moved off site on a weekly basis, or more often as necessary to prevent nuisance conditions.

D. The operator shall provide adequate size and quantity of equipment on site and shall provide for its routine operational maintenance.

E. Finished compost shall be kept clearly separated from incoming yard clippings and unfinished compost for proper delineation of materials.

F. Access shall be limited to times when a responsible individual is on duty. A notice stating the days and hours of operation shall be

conspicuously posted at the entrance to the facility.

G. Any leachate generated during mixing or composting shall be:

1. Collected and reintroduced into the compost pile;
2. Directed to a sanitary sewer if a Permit is obtained from the sewer agency;
3. Directed to a storm sewer or natural water course if an NPDES permit is obtained;
4. Transported by a liquid industrial waste hauler who is properly licensed under the Michigan Liquid Waste Haulers Act; or
5. Handled in any other manner approved by the Division.

H. A site-specific written plan shall be developed and followed for the operation of the composting facility, and shall include temperature and moisture contents of the compost piles.

J. A contingency abatement plan shall be developed to provide for a malfunctioning operation. The plan shall, at a minimum, specify all of the following:

1. Identification of supervisory personnel responsible for putting the abatement plan into action;
2. Mechanism by which an offending odor source, contaminant runoff, or other malfunction will be eliminated;
3. Method by which new incoming material will be halted or handled; and
4. Criteria and method by which routine operations will recommence.

SECTION 240 POST CLOSURE REQUIREMENTS

240.1 The owner/operator of a sanitary landfill shall be responsible for monitoring and maintaining the site after closure in accordance with the requirements of this section to minimize possible environmental damage or threats to health, safety, and welfare of the public.

240.2 All monitoring required pursuant to MAC R299.4449 shall be performed at least semi-annually for the 30 year post-closure period, unless otherwise authorized by the Division. Whenever any maintenance work is to be performed, the Division shall be notified in writing ten (10) working days prior to such activity.

241 **Post Closure Monitoring Reports**

241.1 The monitoring information collected as required by subsections 240.2 and MAC R299.4449 shall be submitted to the Division within thirty (30) days after the end of each calender quarter.

241.2 If any of the monitoring results indicate that the disposal area is in violation of this Ordinance, the owner/operator is to immediately notify the Division. The Division may order the owner/operator to take corrective action, or to increase monitoring frequency.

242 **Post Closure Assurances**

242.1 To assure compliance with the post closure requirements of Section 240 the owner/operator or property owner of a closed Sanitary Landfill shall provide notice to the Division upon any change in ownership or management of the Sanitary Landfill property. This notice shall include the name and address of the new owner or management company. Notice shall also be provided to the Division when it is required pursuant to MCL 324.11518.

SECTION 250 WASTE STREAM REPORTING

250.1 This section establishes the requirements and procedures for periodic reporting of solid waste data. The data will provide the Solid Waste Planning Committee and Designated Solid Waste Agency with information needed to determine that the goals and requirements of the Wayne County Solid Waste Management Plan are achieved.

A. Each Sanitary Landfill, Resource Recovery Facility that combusts solid waste, and solid waste processing facility that manages waste that ultimately is intended for disposal included in the Wayne County Solid Waste Management Plan shall submit to the Division, a facility quarterly solid waste stream report, as provided by the Division, within thirty (30) calendar days after the end of each quarter. The quarterly report shall include the following information:

1. Facility name, address, telephone number and fax number;
2. Facility type;
3. Reporting units: cubic yards or tons;
4. Quarter and Year;
5. Amount of waste received, listed by county, state and country;
6. Amount of recycled/recovered material received;
7. List of municipalities disposing of residential waste at the Sanitary Landfill or Resource Recovery Facility that combusts solid waste;
8. Amount incinerated, if applicable;
9. Amount landfilled, if applicable; and
10. Amount of ash monofilled; if applicable.

B. Each solid waste Sanitary Landfill, Resource Recovery Facility that combusts solid waste, and solid waste processing facility that manages waste that ultimately is intended for disposal in Wayne County must submit a facility annual solid waste stream report, as provided by the Division, to the Division by January 31st of the following year with the following information:

1. Facility name, address, telephone number and fax number.

2. Facility type.
3. Reporting units: cubic yards or tons.
4. Year.
5. Amount of waste received listed by county, state and country.
6. All waste must be reported by waste category (i.e. residential, commercial, industrial or Resource Recovery Facility).
7. For all non-Wayne County municipalities within the State of Michigan disposing of residential waste at the facility, copies of certifications that the municipality has a recycling program consistent with the Wayne County Solid Waste Management Plan.
8. All changes in Resource Recovery Facilities that combust solid waste design or operating status which would change the availability of the facility to accept waste; and anticipated effect of these changes.
9. Each sanitary landfill licensee shall retain the services of a professional engineer who will annually submit to the designated Division:
 - a. An updated topographic survey and accompanying calculations which will indicate the volume of space remaining to be filled as of the first of January of each year. The volume shall be expressed in cubic yards;
 - b. A calculation of the ratio of the volume of refuse delivered to the facility to the volume of compacted in place refuse. This ratio, when possible, should be determined based on the previous year's experience;
 - c. A Projection of the landfill's life expectancy. The projection is to be expressed in years or fractions of years;

d. All changes in design or operating techniques which would cause change in remaining capacity; and the anticipated effect of these changes on life expectancy.

10. For Resource Recovery Facilities that combust solid waste only, amounts of: waste received, material recycled, material combusted, ash generated, volume reduced, and percent of reduction.

11. All solid waste received must be reported by sector (residential, commercial, industrial, and special) as defined on the facility quarterly solid waste stream report.

250.3 Each Wayne County municipality disposing of waste in Solid Waste Disposal Areas that are identified within the Wayne County Solid Waste Management Plan must submit an annual solid waste stream report thirty-one (31) days after the end of the calendar year with the following information:

A. Municipality

1. Address
2. Contact person
3. Telephone and fax numbers

B. Demographics

1. Population
2. Number of households
3. If municipal service is provided under contract, units serviced-single family, multi-family, apartments, condominiums.

C. Type of waste collection services and providers (if applicable)

1. Municipal crew
2. Contract hauler

3. Special/bulky waste collection
4. Curbside recycling collection
5. Household hazardous waste collection and drop-off centers and dates of Household Hazardous Waste collections.
6. Drop off recycling centers
7. Identify if member of waste disposal authority
8. Identify the solid waste disposal facility utilized
9. Identify haulers for each type of recyclable, including yard waste, accepted and/or collected
10. Identify all amounts of solid waste, including recyclables and yard clippings, collected, reduced, composted, incinerated, and landfilled.
11. Calculate a pounds/person/day generation figure using the formula provided on the report.

SECTION 270 COMPLIANCE SCHEDULE

- 270.1 This section is enacted to assure that all existing solid waste disposal areas will comply with the intent and specific sections of this Ordinance.
- 270.2 The Division Director may issue a compliance schedule, including a sequence of actions, measures, or operations, to provide for the upgrading of an existing solid waste disposal area.
- 270.3 For any existing solid waste disposal area at which site preparation has been completed, Section 150, 170, 180, 190.2-190.5, and 200 shall be excluded from the compliance schedule of Subsection 270.2 unless operation of the disposal area is found to cause a violation of this Ordinance. Based on a violation, the Division Director may issue a new compliance schedule to abate the violation; and the new compliance schedule may include

any of the requirements of Sections 150, 170, 180, 190, and 200 to abate the violation.

- 270.4 Solid waste disposal areas shall be upgraded in accordance with the compliance schedule.

SECTION 280 RIGHT OF ENTRY AND INSPECTION

- 280.1 To determine compliance with this Ordinance, all Solid Waste Disposal Areas are subject to inspection by the Department. This includes all site inspections made during the preparation, construction, operation, closure, and thirty (30) year post-closure periods. Should entry to a premise for an inspection be refused, the Department may obtain a warrant authorizing premise entry and inspection pursuant to Section 2446 of Act 368 of Public Acts of 1978, being Section 333.2446 of the Michigan Compiled Laws. The Department is empowered to collect and examine samples as deemed necessary to perform the duties prescribed herein, and to take photographic, video tape or other representations of conditions existent at the solid waste disposal area. No person shall hinder, obstruct, delay, resist or prevent any inspection from being made, or any sample being collected and/or examined by the Department. Nor shall any person molest, intimidate, harass, or impede a representative of the Department in the lawful discharge of his or her powers and duties.

- 280.2 Based on an alleged violation of this Ordinance, specifically designated employees or officers of the municipality in which the solid waste disposal area is located, may enter the disposal area when accompanied by a representative of the facility. If the designated employee or officer confirms the alleged violation, the Department shall be contacted immediately. The governing body of the municipality shall designate by resolution no more than three employees or officers to be given this responsibility; and shall transmit copies of the resolution to the Department and to the solid waste disposal area operator.

SECTION 290 VARIANCES

290.1 Variances from the following parts of this Ordinance may be granted in writing by the Department.

- A. Subsection 150.2 and 3 (paving of on-site roads)
- B. Subsection 160.2 (off-site road maintenance plan)
- C. Subsection 180 (gas migration control system)
- D. Subsection 190 (sedimentation/retention)
- E. Subsection 200 (landscaping)
- F. Subsection 220.2 (sludge disposal)
- G. Subsection 230.2 (groundwater and surface water quality)

290.2 A variance may not be granted unless the applicant demonstrates, to the satisfaction of the Department, the following: (a) that the requirement is infeasible and imprudent for the particular solid waste disposal area at issue; (b) that the proposed alternative will provide an equivalent degree of protection for the public health, welfare, and the environment or that the public health, welfare and the environment will not be impaired.

290.3 A request for a variance for a solid waste disposal area shall be in writing and shall include the justification for the variance. For a new Part 115 licensed facility, the request shall accompany the construction permit application or information submitted in accordance with Section 235 of the Ordinance.

290.4 When a request for a variance is received from an existing facility:

A. The Department shall promptly notify the municipality in which the facility is located that a request for a variance has been received;

B. Within 30 days of receipt of the notice, the municipality or the applicant may request in writing a public hearing on the proposed variance. If a public hearing is requested, the Department shall publish a notice in a newspaper having major circulation in the vicinity of the solid waste

disposal area; and shall conduct the public hearing on the proposed variance;

C. After the hearing, the Department shall review the comments and other testimony and make a decision on the proposed variance.

290.5 The requirements contained in the Ordinance shall be enforced until a written variance has been granted by the Department.

Section 300: COMPLIANCE AND ENFORCEMENT

301 Notice of Violation

301.1 If the County believes that a violation of this Ordinance or the Wayne County Solid Waste Management Plan has occurred or exists, including without limitation any notice, order, license, permit, agreement, decision or determination promulgated, issued, made and entered by the County under this Ordinance or the Solid Waste Management Plan, the County may issue a written notice of violation to the person or persons determined by the County to have caused or contributed to the violation. The written notice of violation shall contain at least the following information, as applicable to the situation and to the extent known by the County:

- (a) The name and address of the violator;
- (b) The location and time that the violation occurred or was observed, and the duration of the violation;
- (c) The nature of the violation, including the provisions of this ordinance, the Solid Waste Management Plan, or of any notice, order, license, permit, agreement, decision or determination violated;
- (d) The basis for determining that a violation has occurred (personal observation, pollutant analysis, etc.);
- (e) The amount of the fine, penalty or charge assessed or due, if any;
- (f) The manner in which, and time and date by which, any fine, penalty or charge must be paid, including any penalty or charge for late payment;

- (g) The remedial action ordered, the time within which required actions must be taken, and any consequences for failure to do so.
- (h) The right to appeal the issuance of the notice and a summary of the procedures for appeal, or other applicable administrative procedures.
- (i) The date and time the order or notice was issued.

301.2 A person receiving a notice of violation may request additional information from the County regarding the contents or requirements of any order or notice. However, a request for additional information shall not extend the time for compliance with the notice.

301.3 Within ten (10) days of the receipt of a written notice of violation, the alleged violator(s) shall submit to the County an explanation of the violation and a compliance plan for correcting the violation to comply with this Ordinance and the Wayne County Solid Waste Management Plan. Submission of the compliance plan in no way relieves the alleged violator(s) of liability for any previous or future violations.

301.4 If the County determines that the response resolves and/or corrects the violation, then the County shall issue a written determination that the violation has been resolved and/or corrected. If the response proposes a plan for resolving and/or correcting the violation, then the compliance plan shall be incorporated into a consent agreement pursuant to Section 302.

301.5 An informal conference may be requested by the County or by person or persons alleged to have caused or contributed to the violation to facilitate a voluntary agreement.

302 Consent Agreement

302.1 A consent agreement may be entered into at any time by and between the County and an alleged violator. The consent agreement shall be acceptable to both the County and the alleged violator and shall reflect the agreement of the alleged violator to assume responsibility for and correct violations of this Ordinance and the Wayne County Solid Waste Management Plan.

302.2

The consent agreement shall be signed by the County and the alleged violator and may contain any appropriate provisions necessary to resolve disputed claims and address identified and potential deficiencies in the alleged violator's compliance status, including, but not limited to, a statement of facts; a description of the actions necessary to correct any non-compliance; compliance schedules; required compliance or remedial actions; fines; penalties; cost reimbursement; financial assurance provisions; and stipulated penalties for the non-compliance.

303

Administrative Compliance Orders

303.1

If the County determines that a person or persons has violated this Ordinance or the Wayne County Solid Waste Management Plan, including without limitation any notice, order, license, permit, agreement, decision or determination promulgated, issued, made and entered by the County under this Ordinance or the Solid Waste Management Plan, the County may issue a unilateral administrative compliance order to the person directing the person to take action to achieve compliance within the time specified by the order.

303.1.1

The County may issue a unilateral administrative compliance order under this Section 303.1 under any of the following circumstances:

- (a) A consent agreement is not entered into and the County determines that a person or persons has caused or contributed, or continues to cause or contribute, to a violation of this Ordinance or the Wayne County Solid Waste Management Plan;
- (b) The County determines that a person has violated a consent agreement entered into with the County or an administrative compliance order issued by the County;
- (c) The County finds that a violation constitutes or will cause an imminent and substantial injury to the public health, safety, welfare, or the environment, and it is prejudicial to the interests of the people of the Charter County of Wayne to delay action. An administrative compliance order issued pursuant to this section shall require the violator to initiate immediate action to avoid, correct, or remove the imminent danger or take

other action as provided by Section 2451 of Act 368 of the Public Acts of 1978 (Public Health Code), being Section 333.2451 of the Michigan Compiled Laws;

- (d) The County reasonably believes that there is a nuisance, unsanitary condition, or cause of illness as a result of a building, condition, or improper solid waste management. An Administrative Compliance Order issued pursuant to this Section may require the violator to avoid, correct, or remove, at the owner's expense, a building or condition, which violates this Ordinance pursuant to Section 2455 of Act 368 of Public Acts of 1978 (Public Health Code), being Section 333.2455 of the Michigan Compiled Laws.
- (e) Under any other circumstances in which the County determines that such an order is necessary to insure compliance with this Ordinance or the Solid Waste Management Plan.

303.4 A unilateral administrative compliance order shall contain at least the following information, as applicable to the situation and to the extent known by the County:

- (a) The name and address of the violator;
- (b) The location and time that the violation occurred or was observed, and the duration of the violation;
- (c) The nature of the violation, including the provisions of this ordinance, the Solid Waste Management Plan, or of any notice, order, license, permit, agreement, decision or determination violated;
- (d) The basis for determining that a violation has occurred (personal observation, pollutant analysis, etc.);
- (e) The amount of the fine, penalty or charge assessed or due, if any;
- (f) The manner in which, and time and date by which, any fine, penalty or charge must be paid, including any penalty or charge for late payment;

- (g) The remedial action ordered, the time within which required actions must be taken, and any consequences for failure to do so;
- (h) The right to appeal the issuance of the notice and a summary of the procedures for appeal, or other applicable administrative procedures; and
- (i) The date and time the order or notice was issued.

303.5 The person or persons who receive an administrative compliance order from the County under this section shall comply with the order within the time specified by the order.

303.6 If the Director determines that improper solid waste management or another condition subject to this Ordinance (1) creates a substantial danger of illness or injury to the public health, safety, welfare, or the environment, and (2) constitutes an emergency such that immediate action is required to protect the health and safety of the people of Wayne County, the County may take such action, without prior notice and at the owner's expense, as may be necessary and appropriate under the circumstances to avoid, correct, remove, or abate the condition or imminent danger. The County may recover all costs and expenses incurred in taking action to alleviate such an emergency from the property owner, and is authorized to charge such costs against the owner of the property by placing a tax lien against the property. A property owner or other aggrieved person may appeal the County's action in accordance with Section 400 of this Ordinance.

304 **Municipal Civil Infractions**

304.1 Violation; Municipal Civil Infraction. Except as provided by section 305, a person who violates any provision of this ordinance or the Wayne County Solid Waste Management Plan (including, without limitation, any notice, order, license, permit, agreement, decision or determination promulgated, issued, made or entered by the county under this ordinance or the Solid Waste Management Plan) is responsible for a municipal civil infraction, subject to payment of a civil fine of not less than \$250.00 per day and not more than \$10,000.00 per day for each infraction, plus costs and other sanctions; except that a person who violates sections 140.1, 170.1, 170.3C, 180.3, 220.2, 230.1, 240.1 and 270.4 of this ordinance

shall be subject to payment of a civil fine of not less than \$1,000 per day and not more than \$10,000 per day for each infraction, plus costs, expenses and other sanctions.

- 304.2 Repeat Offenses; Increased Fines. Increased fines may be imposed for repeat offenses. As used in this section, "repeat offense" means a second (or any subsequent) municipal civil infraction violation of the same requirement or provision of this ordinance (i) committed by a person within any 12-month period and (ii) for which the person admits responsibility or is determined to be responsible.

The increased fine for a repeat offense under this ordinance shall be as follows:

- (a) The fine for any offense that is a first repeat offense shall be not less than \$500.00, plus costs; except that the fine for any offense that is a first repeat offense under sections 140.1, 170.1, 170.3C, 180.3, 220.2, 230.1, 240.1 and 270.4 of this ordinance shall not be less than \$2,500.00, plus costs, expenses and other sanctions.
- (b) The fine for any offense that is a second repeat offense or any subsequent repeat offense shall be not less than \$1,000.00, plus costs; except that the fine for any offense that is a second or any subsequent repeat offense under sections 140.1, 170.1, 170.3C, 180.3, 220.2, 230.1, 240.1 and 270.4 of this ordinance shall not be less than \$5,000.00, plus costs, expenses and other sanctions.

304.3 Amount of Fines.

- (a) Municipal Civil Infraction Citations. Subject to the minimum fine amounts specified in sections 304.1 and 304.2, the following factors shall be considered in determining the amount of a municipal civil infraction fine following the issuance of a municipal civil infraction citation for a violation of this ordinance: the type, nature, gravity, magnitude, severity, frequency, duration, preventability, potential and actual effect, cause (including whether negligent or intentional) and economic benefit to the violator (such as delayed or avoided costs or competitive advantage) of a violation; the violator's recalcitrance,

cooperation or efforts to comply; the violator's compliance history (regardless whether prior enforcement proceedings were commenced); the economic impacts of the fine on the violator; and such other matters as justice may require. A violator shall bear the burden of demonstrating the presence and degree of any mitigating factors to be considered in determining the amount of a fine. However, mitigating factors shall not be considered unless it is determined that the violator has made all good faith efforts to correct and terminate all violations.

- (b) Municipal Civil Infraction Notices; Schedule of Fines. Notwithstanding any provision of this ordinance to the contrary, the amount of a municipal civil infraction fine due in response to the issuance of a municipal civil infraction notice for a violation as provided by Section 304.1 shall be according to the following schedule:

For violation of any provision of this ordinance (except sections 140.1, 170.1, 170.3C, 180.3, 220.2, 230.1, 240.1 and 270.4)

First Offense: \$250.00

First Repeat Offense: \$500.00

Second Repeat Offense (or any Subsequent Repeat Offense): \$1,000.00

For violation of any provision of sections 140.1, 170.1, 170.3C, 180.3, 220.2, 230.1, 240.1 and 270.4)

First Offense: \$1,000.00

First Repeat Offense: \$2,500.00

Second Repeat Offense (or any Subsequent Repeat Offense): \$5,000.00

For any fine not paid in full at the Bureau within 30 days of the time specified for appearance in the municipal civil infraction violation notice, the fine amount due shall automatically be double the amounts listed immediately above. A copy of this schedule shall be posted at the Wayne County Municipal Ordinance Violations Bureau.

304.4

Authorized County Officials. The following persons are "authorized county officials" for purposes of issuing

municipal civil infraction citations (directing alleged violators to appear in district court) or municipal civil infraction violation notices (directing alleged violators to appear at the Wayne County Municipal Ordinance Violations Bureau) for violations under this ordinance: the Director of the Department of Environment and his or her designees and authorized representatives; the Division Director and his or her designees and authorized representatives; the Health Director, and his or her designees and authorized representatives; and any police officer.

304.5 Except as otherwise provided by this section, the procedures for municipal civil infraction actions shall be as set forth in Chapter 2 ("Municipal Civil Infractions":) of the Wayne County Code.

305 **Criminal Penalties; Imprisonment**

Any person who (a) at the time of a violation knew or should have known that the action resulting in the violation was contrary to any provision of this ordinance, or contrary to any notice, order, permit, decision or determination promulgated, issued or made by the Division under this ordinance; or (b) intentionally makes a false statement, representation, or certification in an application for, or form pertaining to a permit, or in a notice, report, or record required by this ordinance, or in any other correspondence or communication, written or oral, with the Division regarding matters regulated by this ordinance; or (c) intentionally falsifies, tampers with, or renders inaccurate any sampling or monitoring device or record required to be maintained by this ordinance; or (d) commits any other act that is punishable under state law by imprisonment for more than 90 days; shall, upon conviction, be guilty of a misdemeanor punishable by a fine of \$500.00 per violation, per day, or imprisonment for up to 90 days, or both in the discretion of the court.

306 **Additional Civil Fines and Penalties**

In addition to any civil fine or penalty imposed by enforcement of Section 304 of this ordinance, the County pursuant to the authority of Section 11546 of Public Act No. 451 of 1994, being Section 324.11546 of the Michigan Compiled Laws, may bring an action for further appropriate relief and in addition to any other relief

provided by law or this ordinance, request that the court impose a civil fine of not more than \$10,000.00 for each day of any violation of this ordinance.

307 Agreements, Contracts, or Arrangements

Pursuant to Section 2435(c) of Act 368 of Public Acts of 1978, being Section 333.2435(c) of the Michigan Compiled Laws, the Department may enter into agreements, contracts or arrangements with a governmental entity or persons necessary or appropriate to assist the Department in carrying out its duties and functions unless otherwise prohibited by law.

308 Suspension of Enforcement

The Division Director may, in his or her discretion, and subject to any terms or conditions determined appropriate by the Director, suspend enforcement of this Ordinance, including specific sections, parts, or subsections of this Ordinance.

309 Separate Offenses

Each act of violation, and each day or portion of a day that a violation of this ordinance, the Solid Waste Management Plan, or of any notice, order, license, permit, agreement, decision or determination promulgated, issued, made or entered by the county under this ordinance or the Solid Waste Management Plan is permitted to exist or occur, constitutes a separate offense and shall be punishable as provided by this ordinance.

310 Reservation of Rights

Nothing in this Ordinance shall preclude the County from instituting a civil or criminal action pursuant to applicable laws, including without limitation, Sections 2462(3) and 2465(1) of Act 368 of Public Acts of 1978 (Public Health Code), being Sections 333.2462(3) and 333.2465(1) of the Michigan Compiled Laws; and Section 11546 of Public Act No. 451 of 1994 (Natural Resources and Environmental Protection Act), being Section 324.11546 of the Michigan Compiled Laws; to restrain, correct, or abate a violation of this Ordinance; or to stop an illegal act; or to abate a nuisance; or to prevent pollution; or to prosecute any person believed to have violated this Ordinance or the Wayne County Solid

Waste Management Plan under applicable laws, regulations, and ordinances.

SECTIONS 400 RECONSIDERATION AND APPEALS

401 Reconsideration

401.1 Any person whose legal rights, duties, or privileges are directly and adversely affected by a determination by the County pursuant to this Ordinance and/or the Wayne County Solid Waste Management Plan may submit a written request for reconsideration of the County's determination within ten (10) days of the date on which the County makes its determination. The request for reconsideration shall be directed to the Division Director.

401.2 The County shall respond to a request for reconsideration in writing within ten (10) days of receipt. The County's response shall affirm, rescind, or modify the determination or order as appropriate. Persons may appeal the County's decision upon reconsideration pursuant to the provisions of Section 402.

402 Appeal

402.1 Applicability.

402.1.1 Any person whose legal rights, duties, or privileges are directly and adversely affected by a determination by the County pursuant to this Ordinance and/or the Wayne County Solid Waste Management Plan, may appeal for relief from the County's determination in accordance with the procedures established in this section 402.

402.1.2 An appeal shall act as a stay of decision until a final decision is rendered by the County, except that the County shall not be precluded from pursuing any civil or criminal proceeding available under law and equity during the appeal period, nor shall the stay be construed to abridge the rights of the Director, or to stay an order or decision pursuant to Section 2451 and Section 2455 of Act 368 of Public Acts of 1978 (Public Health Code), being Sections 333.2451 and 333.2455 of the Michigan Compiled Laws, to avoid, correct or remove an imminent danger.

402.2 Procedures for Appeal.

402.2.1 The appeal shall be in writing, shall be addressed to the Director, and shall be received by the Director within twenty (20) days of the decision or act that is the

subject of the appeal. The appeal shall set forth the specific act or matter complained of and in dispute, and shall include documentation to support the appellant's position. A person shall post a fee of \$250.00 at the time of filing the appeal to cover the cost of processing the appeal.

402.2.2 Within thirty (30) business days of receipt of a written appeal, the Director shall acknowledge such receipt in writing to all interested parties and shall set a day and time for an appellate hearing to be conducted in accordance with section 402.3. If appropriate, the Director also shall direct the Division to schedule a conciliation meeting with the appellant in accordance with section 402.2.3.

402.2.3 If a conciliation meeting is held, it shall be open to all interested parties and their representatives. After the conciliation meeting, if the appellant or the Director determines that an appeal cannot be resolved through a conciliation meeting, the parties shall so inform the Director in writing and request a hearing in accordance with Section 402.3. If all interested parties determine that the dispute has been satisfactorily resolved through the conciliation meeting process or otherwise, the agreement shall be incorporated into a consent agreement.

402.3 Hearing Procedure.

402.3.1 If an appellate hearing is required, the Director shall promptly appoint a disinterested hearing officer of suitable qualifications to conduct an administrative hearing and to receive testimony and evidence presented by the aggrieved person(s). The hearing officer also shall receive testimony and evidence from the County or others as he or she deems necessary. To the extent practicable, the hearing shall be convened and conducted in accordance with Act 306 of the Public Acts of 1969 (Administrative Procedures Act), being Sections 24.201 through 24.328 of the Michigan Compiled Laws, as amended.

402.3.2 A notice shall be sent to the appellant party at least ten (10) days prior to the hearing. The notice shall include:

- (a) a statement of the date, time, place and nature of the hearing;
- (b) a statement of the legal authority and jurisdiction under which the hearing will be held;

- (c) a reference to the particular sections of this Ordinance and/or the Wayne County Solid Waste Management Plan involved in the appeal;
- (d) a statement of the right of the aggrieved person(s) to be represented by an attorney at the hearing; and
- (e) a short statement of the issues involved.

- 402.3.3 The hearing officer shall conduct the hearing and file a written report of said hearing with the Director within thirty (30) days of his or her appointment. The hearing officer shall have the right to extend this thirty (30) day period for good cause. However, in such event, his or her report will be submitted to the Director within fifteen (15) days of the conclusion of the hearing.
- 402.3.4 The hearing officer's report shall include a brief statement of factual matters at issue, the nature of the testimony and evidence received, and shall include a recommendation to either uphold, rescind, or modify the decision or action in question on such terms as the hearing officer deems equitable.
- 402.3.5 Within fifteen (15) days of receipt of the hearing officer's report, the Director shall render a decision in writing. The Director shall not be bound by the recommendation of the hearing officer.
- 402.3.6 The decision of the Director shall be final and enforceable at law. A person aggrieved by a final decision of the Director may obtain judicial review pursuant to Act 306 of the Public Acts of 1969 (Administrative Procedures Act), being Sections 24.201 through 24.328 of the Michigan Compiled Laws, as amended. Aggrieved persons shall exhaust all administrative remedies provided in this Ordinance before seeking judicial review.

SECTION 410 AMENDMENTS

- 410.1 This Ordinance may be amended

Any amendments to this Ordinance will be made after public notice and public hearing pursuant to Section 2442 of Act 368 of the Public Acts of 1978, being Section 333.2442 of Michigan Compiled Laws.

SECTION 420 INTERPRETATION CLAUSES

421 Other Laws and Regulations

421.1 This Ordinance provides minimum standards, supplemental to the statutes of the State of Michigan and the administrative rules duly promulgated thereunder. Where any provision of this Ordinance and a provision of any Federal or State statute or rule both apply, the more restrictive of any or all codes, statutes, ordinances, or rules shall prevail.

422 Interpretation

422.1 Provisions of this Ordinance shall be construed liberally so as to best preserve the public health and safety. The word "shall" is mandatory, not merely directory.

423 Severability

423.1 If any part of this Ordinance is declared illegal or unconstitutional by a court of competent jurisdiction, the decision shall not effect any portion of the Ordinance which remain but the remainder shall be in full force and effect.

424 Savings Clause

424.1 Rules, regulations and, ordinances adopted by the County Commission prior to the effective date of this Ordinance shall continue in full force and effect except to the extent they conflict with this Ordinance. In case of a conflict, this Ordinance shall apply.

(*END NOTES)

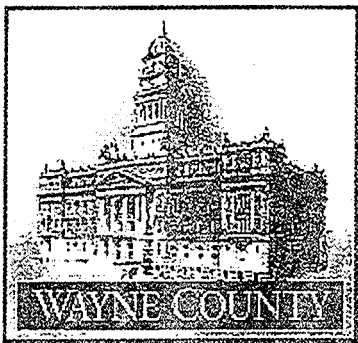
- 1 PART 115, RULE 299.4423 (3) C
- 2 PART 115, RULE 299.4423 (2) C
- 3 PART 115, RULE 299.4432 (8)
- 4 PART 115, RULE 299.4433 (4)
- 5 PART 115, RULE 299.4436
- 6 PART 115, RULE 299.4908
- 7 PART 115, RULE 299.4440 (8) & (9)

- 8 PART 115, RULE 299.4440 (8) & (9)
- 9 PART 115, RULE 299.4318 (9)
- 10 PART 115, RULE 299.4318 (9)

APPENDIX H

FACILITY INCLUSION APPLICATION PACKET

NOTE: The application package contained in this section is for facilities seeking inclusion into the Solid Waste Management Plan. This information may be periodically updated; therefore it is suggested that you contact the Wayne County Department of Environment, Land Resource Management Division at (734) 326-3936 prior to using the attached application.



Edward H. McNamara
County Executive

**WAYNE COUNTY
SOLID WASTE MANAGEMENT PLAN**

**FACILITY INCLUSION APPLICATION PACKET
FOR
SOLID WASTE TYPE II & III LANDFILLS
AND
SOLID WASTE TRANSFER AND PROCESSING FACILITIES**

October, 2000

FACILITY INCLUSION PROCEDURE

APPLICATION COMPONENTS & INSTRUCTIONS

I. ADVISORY ANALYSIS

Obtain and submit a copy of the Advisory Analysis conducted by the Land Resource Management Division. (Wayne County Health Department has designated, through an interagency agreement, Wayne County's Department of Environment as a duly authorized agent to enforce the Federal, State, and Local laws affecting solid waste in Wayne County.)

II. HOST COMMUNITY AGREEMENT

Submit any draft or final written agreements of negotiated settlements between the applicant and the local community. Include any resolutions from the host community's governing body that demonstrates community support.

III. FACILITY INCLUSION APPLICATION

Complete and sign attached copy.

IV. PLAN INCLUSION REVIEW REQUIREMENTS

Submit appropriate documentation and narrative description to address all of the items outlined on the attached "Plan Inclusion Review Requirements."

V. REVIEW FEE

To cover expenses associated with application review, applicants for Wayne County Solid Waste Management Plan inclusion must submit a review fee. Wayne County Department of Environment will establish the fee based on the nature of the proposal with maximum fees set at \$10,000 for solid waste transfer and processing facility applications or \$20,000 for sanitary landfill applications. Checks must be made payable to Wayne County Department of Environment.

VI. APPLICATION SUBMITTAL

Complete all components of the Application and submit fifteen (15) copies to:

Wayne County Facility Inclusion Committee
c/o D.O.E. Land Resource Management Division
3600 Commerce Court, Bldg. E
Wayne, MI 48184

If you have any questions or need assistance, contact the Land Resource Management Division at (734) 326-3936.

WAYNE COUNTY DEPARTMENT OF ENVIRONMENT

SOLID WASTE FACILITY INCLUSION APPLICATION

Application is hereby made to the Wayne County Solid Waste Facility Inclusion Committee c/o Director, Land Resource Management Division, Wayne County Department of Environment for Wayne County Solid Waste Management Plan inclusion.

1. Disposal Area Name and Location			
Name of Facility		Telephone	
Street	City	State	Zip
2. Applicant			
Name of Operating Organization		Contact	
Street	City	State	Zip
Telephone		Operating License Numbers (if expanding an existing facility)	
3. Property Owner			
Name of Property Owner		Contact	Telephone
Street	City	State	Zip
4. Type of Disposal Facility			
Sanitary Landfill Type II _____ *		Type III _____ *	Incinerator _____ **
Transfer Station Type A _____ **		Type B _____ **	Processing _____ **
* Total design capacity in cubic yards		** Design capacity in cubic yards per day	
5. Applicant Signature and Review Fee		Fee Included _____	
I hereby certify that the information provided is correct and complete			
Signature _____		Title _____	Date _____

Review Fee

Wayne County Department of Environment based on the facility proposed will establish review fees. The maximum review fee will be \$20,000 for a sanitary landfill or \$10,000 for transfer & processing facilities. Please contact Wayne County Department of Environment Land Resource Management Division at (734) 326-3936 for a determination on the applicable fee. Make check payable and submit with application to Wayne County Department of Environment, 3600 Commerce Court, Bldg. E, Wayne, MI 48184.

PLAN INCLUSION REVIEW REQUIREMENTS

SOLID WASTE FACILITIES

I. GENERAL INFORMATION

Provide a written, detailed project description, including:

- A. Type of facility: Type II Landfill, Type III Landfill, Type A Transfer Station, Type B Transfer Station (including license-exempt facilities), Processing Facility, or Incinerator;
- B. A categorization of the types of waste (i.e. commercial, industrial ash, or residential), estimated daily volume and annual volume to be landfilled, and the life expectancy of the facility;
- C. A description of any resource recovery activities (including gas extraction) to take place at the site; A description of any material or resource recovery features including estimates of the daily volumes of recyclables, compostable, etc. diverted, and volume of material landfilled or incinerated;
- D. A discussion of the consistency of the proposed activity with the WCSWMP which demonstrates how the proposed facility meets the County's objective of properly managing all solid waste while reducing dependence on landfills;
- E. Identify the proposed geographic service area(s) by individual county, state, and/or country include estimated percentages of waste from each service area;
- F. A description of existing site characteristics including, but not limited to, boundaries, topography, soil types, hydrogeological characteristics, ground cover, buildings, water bodies including wetlands, public utilities, surface drainage, etc.
- G. Information on ownership, management, staffing, equipment, and proposed financing of construction, operation, and closure;
- H. Provide evidence of the formal submission of the proposal to the governing body and consultation with officials of the affected community concerning zoning, construction, operation, and reuse plan.

II. LANDFILL DESIGN AND LOCATION

Provide detailed site plans that include:

- A. Vicinity map with "Meets and Bounds" legal description in both written and illustrated form;
- B. Cross sectional drawing of the facility indicating base and final elevations.
- C. Distances to nearest existing residential, commercial, and industrial facilities; include a description of the potential positive and negative impacts the proposed facility will have on other properties within one mile of the site boundary;
- D. Distances to off-site water bodies including wetlands and surface drainage within one mile of the site boundary; Drainage patterns;
- E. Utility locations including storm and sanitary sewers, water mains, and fire hydrants;
- F. Describe truck routing from nearest interstate highway, traffic access, and on-site routes, including any changes and/or improvements necessary. All on-site roads must comply with the Wayne County Solid Waste ordinance (WCSWO) Section 150;
- H. Describe the facility's leachate collection and removal systems that meet the requirements of the WCSWO Section 170;
- I. Landscaping plan that shows visual screening measures proposed to mitigate impacts on nearby properties. Include a schedule for installation of the visual screening measures that meet the requirements of the WCSWO Section 200. This plan must be submitted and approved by Wayne County Department of Environment Land Resource Management Division prior to inclusion into this submittal;
- J. Describe the gas migration detection system that assures that the decomposition gases, which are generated within a type II sanitary landfill, do not cause a hazard or nuisance to health, safety, and welfare of the public.

III. LANDFILL OPERATION

Provide detailed operating plans that address the following:

- A. Hours of operation;
- B. Measures to mitigate possible impacts on nearby properties including methods of controlling fugitive dust, noxious odors, noise, blowing debris, and vehicle track out.
- C. Methods to limit unauthorized site access.
- D. Submit an off-site road maintenance plan that meets the requirements of the WCSWO Section 160.
- E. Fire Protection;
- F. Special Waste acceptance procedures.

IV. TRANSFER STATION AND PROCESSING FACILITY DESIGN AND LOCATION

Provide detailed site plans that include:

- A. Vicinity map with "Meets and Bounds" legal description in both written and illustrated form;
- B. Proposed waste and recovered material storage areas
- C. Identification of disposal location for waste material.
- D. Distances to nearest existing residential, commercial, and industrial facilities; include a description of the potential positive and negative impacts the proposed facility will have on other properties within one mile of the site boundary;
- E. Distances to off-site water bodies including wetlands and surface drainage within one mile of the site boundary; Drainage patterns;
- F. Utility locations including storm and sanitary sewers, water mains, and fire hydrants;
- G. Describe truck routing from nearest interstate highway, traffic access, and on-site routes, including any changes and/or improvements necessary. All on-site roads must comply with the Wayne County Solid Waste Ordinance (WCSWO) Section 150;
- H. Landscaping plan that shows visual screening measures proposed to mitigate impacts on nearby properties. Include a schedule for installation of the visual screening measures that meet the requirements of the WCSWO Section 200. This plan must be submitted and approved by Wayne County Department of Environment Land Resource Management Division prior to inclusion into this submittal;

V. TRANSFER STATION AND PROCESSING FACILITY OPERATION

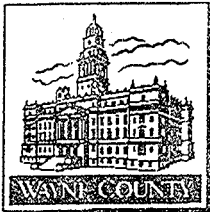
Provide detailed operating plans that address the following

- A. Hours of operation;
- B. Measures to mitigate possible impacts on nearby properties including methods of controlling fugitive dust, noxious odors, noise, blowing debris, and vehicle track out.
- C. Methods to limit unauthorized site access.
- D. Expected frequency of recovered material removal;
- E. Fire Protection;
- F. Description of daily clean-up procedures;
- G. Submit an off-site road maintenance plan that meets the requirements of the WCSWO Section 160;
- H. Special Waste acceptance procedures (if applicable).

NOTE: FOLLOWING PLAN INCLUSION, OPERATOR IS RESPONSIBLE FOR OBTAINING ALL APPROPRIATE LOCAL, STATE, OR FEDERAL LICENSES AND PERMITS NECESSARY FOR FACILITY OPERATION, INCLUDING COMPLIANCE WITH THE WAYNE COUNTY SOLID WASTE ORDINANCE 2000-654.

APPENDIX I

MUNICIPALITY RECYCLING CERTIFICATION FORM



Edward H. McNamara
County Executive

Wayne County
Department of Environment
Land Resource Management Division
(734) 326-3936

MUNICIPALITY RECYCLING CERTIFICATION

Name of Municipality:		County:
Address:		
Contact:		Phone:
Type of Recycling program offered		
<input type="checkbox"/> Community wide curbside recycling		
<input type="checkbox"/> Drop-off Station(s) (If drop-off stations are used, identify number and location)		
Location(s) _____		

<input type="checkbox"/> Other (please explain) _____		

Wayne County Recycling Requirements		
All municipalities using Wayne County solid waste landfills must provide for recycling either through curbside collection or drop-off centers. At a minimum the municipality must provide access to a drop-off station within a 10 mile radius from all residents of the community.		
Certification Statement		
I hereby certify that _____ meets or exceeds the minimum recycling requirements necessary to utilize Wayne County solid waste landfills.		
Signature:		Date:
Title:		

APPENDIX J

**PUBLIC PARTICIPATION AND APPROVAL
PUBLIC INVOLVEMENT PROCESS**

PUBLIC PARTICIPATION AND APPROVAL

PUBLIC INVOLVEMENT PROCESS

This section will contain a description of the process used, including dates of public meetings, copies of public notices, documentation of approval from the solid waste planning committee, Wayne County board of commissioners, and municipalities.

Public Solid Waste Planning Committee (Committee) meetings were held on the following dates:

December 9, 1999; January 19, 2000; February 16, 2000; March 15, 2000; April 19, 2000; May 17, 2000; June 21, 2000; August 16, 2000; September 20, 2000; October 18, 2000; and November 29, 2000. A minimum of two weeks prior to each meeting, notices were sent to all cities and townships. Notices were also sent to individuals who had requested being on the mailing list. On November 29, 2000 the Committee unanimously approved the draft Plan.

Copies of the draft update of the Wayne County Solid Waste Management Plan were mailed on December 20, 2000 to all of the communities and solid waste companies operating within Wayne County. The 90-day public review period began on December 15, 2000 and ended on March 31, 2001. Three public hearings were held to receive public comment. They were: Tuesday, February 6, 2001 at 2:00 p.m. at the Downriver Community Conference; Tuesday, February 20, 2001 at 10:00 a.m. at the Wayne County DOE Air Quality Division; and Thursday, March 1, 2001 at 7:00 p.m. at the Wayne County RESA complex. In addition to the public hearings, an informal walk-in day was held on Thursday, February 1, 2001 at the Division office in Wayne.

Public notices announcing the date, time, and location for each public hearing were published in the *Detroit News and Free Press* and are included in this section. Notices were also published in the local community newspapers.

NOTICE OF PUBLIC HEARING

WAYNE COUNTY SOLID WASTE MANAGEMENT PLAN

Notice is hereby given that the Wayne County Solid Waste Implementation/Planning Committee and the Wayne County Department of Environment will hold three public hearings on the Draft Wayne County Solid Waste Management Plan Update on:

Tuesday, February 6, 2001 from 2:00PM – 4:00PM at the Downriver Community Conference, Room 177, 15100 Northline Road, Southgate, MI 48195.

Tuesday, February 20, 2001 from 10:00AM – 12:00PM at the Wayne County Air Quality Office, 6th Floor Auditorium, 640 Temple, Detroit, MI 48226.

Thursday, March 1, 2001 from 7:00PM – 9:00PM at the Wayne County Regional Educational Services Agency (WC RESA), Auditorium, 33500 Van Born Road, Wayne, MI 48184.

There will also be a "walk-in" day for the public on Thursday, February 1, 2001 from 8:30AM – 4:00PM at the Wayne County Land Resources Management Division Offices located at 3600 Commerce Court, Wayne, MI 48184. This day is intended for anyone wishing to review and/or ask questions pertaining to the Plan.

The December 15, 2000, Draft Wayne County Solid Waste Management Plan updates the current Plan adopted in 1990 and has been developed to meet the new guidelines established by the Michigan Department of Environmental Quality.

Individuals or groups wishing to make oral presentations or submit prepared statements may do so at the public hearings. Individuals or groups making oral presentations are encouraged to have their presentations in writing with a copy to be submitted for the record to the Wayne County Solid Waste Implementation/Planning Committee and the Wayne County Department of Environment.

Copies of the new draft Plan have been distributed to each municipality within Wayne County and should be available for review at your local library or City/Township Hall. The Plan is also available for review at the Wayne County Department of Environment (DOE) Land Resource Management Division Office at 3600 Commerce Court, Wayne, MI from 8:30 AM to 4:00 PM Monday through Friday. Copies are available at the same office at cost. Aids and services are available upon reasonable request to individuals with disabilities. You may contact the Wayne County DOE Land Resource Management office at (734) 326-3936 for further information or to make any special arrangements.

Robert Ratz, Director Land Resource Management Division
Wayne County Department of Environment
"Protecting and Restoring Our Environment"

**Legal Notices,
Bids, Proposals****NOTICE OF PUBLIC HEARING
WAYNE COUNTY SOLID WASTE
MANAGEMENT PLAN**

Notice is hereby given that the Wayne County Solid Waste Implementation Planning Committee and the Wayne County Department of Environment will hold the first of three public hearings on the Draft Wayne County Solid Waste Management Plan Update on Tuesday, February 6, 2001, at 2:00 p.m. at the Downriver Community Conference, Room 177, 15100 Northline Road, Southgate, MI 48195.

The December 15, 2000, Draft Wayne County Solid Waste Management Plan updates the current Plan adopted in 1990 and has been developed to meet the new guidelines established by the Michigan Department of Environmental Quality.

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Robert Ratz, Director Land Resource Management Division
Wayne County Department of Environment.

**Legal Notices,
Bids, Proposals****THE FOLLOWING INDIVIDUALS, PLEASE TAKE NOTICE:**

a. Joseph V. Tappan
b. C. D. Tappan
c. D. Tappan
d. Tappan
e. Tappan
f. Tappan
g. Tappan
h. Tappan
i. Tappan
j. Tappan
k. Tappan
l. Tappan
m. Tappan
n. Tappan
o. Tappan
p. Tappan
q. Tappan
r. Tappan
s. Tappan
t. Tappan
u. Tappan
v. Tappan
w. Tappan
x. Tappan
y. Tappan
z. Tappan

**WAYNE COUNTY SOLID
Waste Management Plan**

Notice is hereby given that the Wayne County Solid Waste Implementation Planning Committee and the Wayne County Department of Environment will hold three public hearings on the Draft Wayne County Solid Waste Management Plan Update on Tuesday, February 6, 2001, at 2:00 PM-4:00 PM at the Downriver Community Conference, Room 177, 15100 Northline Road, Southgate, MI 48195.

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Individuals or groups wishing to make oral presentations or submit prepared statements may do so at the public hearings. Individuals or groups making oral presentations are encouraged to have their presentations in writing with a copy to be submitted for the record to the Wayne County Solid Waste Implementation Planning Committee and the Wayne County Department of Environment.

Copies of the new draft Plan have been distributed to each municipality within Wayne County and should be available for review at your local library or City/Township Hall. The plan is also available for review at the Wayne County Department of Environment (DOE) Land Resource Management Division office at 3600 Commerce Court, Wayne, MI from 8:30 AM to 4:00 PM Monday through Friday. Copies are available at the same office at cost. Aids and services are available upon reasonable request, to individuals with disabilities. You may contact the Wayne County DOE Land Resource Management office at (734)326-3936 for further information or to make any special arrangements.

Robert Ratz, Director Land Resource Management Division
Wayne County Department of Environment
Protecting and Restoring Our Environment

NOTIFICATION OF OPEN

APPENDIX K

PLANNING COMMITTEE APPOINTMENT PROCEDURE

Solid Waste Planning Committee Appointment Procedure

Part 115 of the Natural Resources and Environmental Protection Act of 1994 (Act 451) requires each county to appoint a Solid Waste Planning Committee and also empowers the County to appoint a Solid Waste Implementation Committee if necessary. The Solid Waste Planning Committee and Implementation Committee are the same Committee within Wayne County. Their responsibility is to assist the designated planning agency in preparing the Solid Waste Management Plan. The designated planning agency for Wayne County is the Land Resource Management Division (LRMD) of the Department of Environment. This Division assisted in the development of the Committee by making recommendations for committee members to the Wayne County Executive for his review and approval. Candidates that were approved by the Executive were forwarded on to the Wayne County Commission for final confirmation of the appointments. The members were then notified by mail of their appointments and the term limit established for their position. In no case will the term limits exceed two years.

APPENDIX L
PLANNING COMMITTEE

**WAYNE COUNTY
SOLID WASTE IMPLEMENTATION COMMITTEE MEMBERS**

Solid Waste Management Industry:

1. James Logsdon, V.P. Development & Operations, Midwest Group, Waste Management, 5900 Hannan, Wayne
2. Laurie Kendall, Director of Landfill Operations, The Environmental Quality Co., 49350 N I-94 Service Dr., Belleville
3. Ron Caramagno, 21804 Heathbridge Lane, Northville
4. Trenessa R. Mitchell, Marketing Manager, Republic Waste Services, 12001 Mack Ave, Detroit

Industrial Waste Generator:

1. Donald Windeler, Rouge Steel Company, 3001 Miller Rd. P.O. Box 1699, Dearborn

Environmental Interest Groups:

1. Frances Schonenberg, Environmentalist, 264 McMillan Road, Grosse Pointe Farms
2. Helen Foster, Environmentalist, 45190 Jeanette, Belleville

General Public:

1. John Hamilton, President Operating Engineers Local 324, 37450 Schoolcraft Road, Suite 110, Livonia
2. Christopher Jackson, Access Consulting Group, 8110 St. Paul, Detroit
3. William B. Matakas, Attorney at Law, 7300 Park Avenue, Allen Park

County Government:

1. Edward A. Boike, Jr., County Commissioner, 15th District, 600 Randolph, Suite 458, Detroit

City Government:

1. Michael Brinker, General Manager, Greater Detroit Resource Recovery Authority, 5700 Russell, Detroit

Township Government:

1. Kevin Kelley, Supervisor, Redford Township, 15145 Beech Daly, Redford

Regional Solid Waste Planning Agency:

1. Ted Starbuck, SEMCOG, 660 Plaza Drive, Suite 1900, Detroit

APPENDIX M

PLAN IMPLEMENTATION STRATEGY

Plan Implementation Strategy

The adoption of this Plan by the Wayne County Executive and Commission is intended as an expression of the County's acceptance of responsibilities for implementing the Plan with roles and responsibilities as described in the Selected Management Section, pp. 59-60.

APPENDIX N
RESOLUTIONS

Resolutions

The following are resolutions from both Wayne and Oakland Counties' Board of Commissioners approving Northville's request to be included in Wayne County's Solid Waste Management Plan (SWMP). Portions of Northville are located within each county, but Northville has elected to be included in the Wayne County SWMP.

September 10, 1997

Gary L. Word, Manager
City of Northville
215 West Main Street
Northville, Michigan 48167

Re: Act 451 Solid Waste Management Plan Update
Oakland County

Dear Mr. Word:

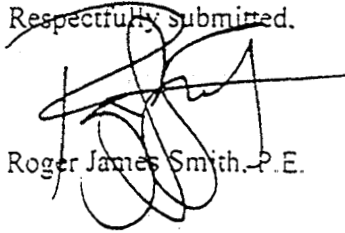
The Michigan Department of Environmental Quality has requested that each county update its solid waste management plan. Oakland County has therefore started the process. Historically, Northville has been incorporated within the Wayne County solid waste planning process and we are assuming that this association will continue.

Section 11536 of Act 451 of 1994 as amended provides that such an arrangement shall be approved by a resolution of the County boards of commissioners of the counties involved. In order that proper records may be kept on this issue, we proposed that the following process be initiated.

1. Northville should request of both Oakland and Wayne counties that the community continue to be included within the Wayne County solid waste management plan.
2. Each Board of Commissioners would adopt a resolution approving of such an arrangement, forwarding a copy to Northville and the other county.
3. The two Board resolutions and Northville's request then become published records in Appendix E of each county's Plan Update as required by the Michigan Department of Environmental Quality standard plan format which was issued to the solid waste planning agencies this past week.

Thanks much for your assistance on this matter and upon receipt of Northville's request, we will immediately process the appropriate Board resolution for approval.

Respectfully submitted,


Roger James Smith, P.E.

Attachment

cc: Robert Fredericks, Interim Director, Wayne County Land Resources Management Division



20 NOV 97 9
-W.C. Loc-

215 W. Main Street • Northville, Michigan 48167-1599
Phone: (810) 349-1300 • FAX: (810) 349-9244

November 17, 1997

Mr. Robert Fredericks, Interim Director
Wayne County Land Resources Management Division
415 Clifford Street
Detroit, MI 48226

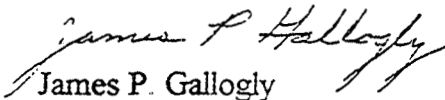
Re: Act 451 Solid Waste Management Plan Update

Dear Mr. Fredericks:

The City of Northville is aware that the Michigan Department of Environmental Quality has requested that each County update its solid waste management plan. As you begin this process for Wayne County, Northville respectfully requests that it be included in the Wayne County solid waste management plan. Northville, as you know is located in both Oakland County and Wayne County. Historically, the City has been incorporated within the Wayne County solid waste planning process, and we would like this association to continue.

Should you have any questions concerning this matter, please feel free to contact me.

Sincerely,


James P. Gallogly
Public Works Director

cc: Gary Word, City Manager
Roger Smith, Manager Oakland County Solid Waste Management Division



Roger J. Smith, P.E., Manager

November 20, 1997

Mr. Charles Palmer, Chairperson
Planning and Building Committee
Oakland County Board of Commissioners
Pontiac, Michigan

Re: Solid Waste Management Plan Update
City of Northville

Dear Mr. Palmer:

Section 11536 of Act 451 of 1994 as amended provides that a municipality located in two (2) counties may request that it be included within one of the adjacent county's solid waste management plan. Before that may occur, the request shall be approved by a resolution of the Board of Commissioners of each county involved.

Northville has, by mutual consent of all parties involved, historically been included within the Wayne County solid waste management plan. This office approached both the City and Wayne County with a recommendation that the previous arrangements be continued. Both agencies concur. A copy of the original communication from this office and Northville's formal request are attached.

It is recommended that the attached suggested resolution be adopted in support of the request. The resolution will become a formal part of the new Solid Waste Management Plan Update documents as required by the Michigan Department of Environmental Quality.

Respectfully submitted,



Roger James Smith, P.E.

Attachments

Suggested Resolution

December 2, 1997

Miscellaneous Resolution #97

BY: Planning & Building Committee, Charles E. Palmer, Chairperson

IN RE: Delineation of Oakland County Solid Waste Planning Boundaries

To the Oakland County Board of Commissioners

Chairperson, Ladies and Gentlemen:

WHEREAS the City of Northville sits astride the Oakland County / Wayne County border, and

WHEREAS the City of Northville has requested that it be included within the Wayne County Solid Waste Management Plan and excluded from the Oakland County Solid Waste Management Plan, and

WHEREAS Act 451 of 1994 as amended provides that such an arrangement shall be approved by a resolution of the Board of Commissioners of each of the involved counties, and

WHEREAS the City of Northville has previously been included within the Wayne County Solid Waste Management Plan and such an arrangement is eminently practical.

NOW THEREFORE BE IT RESOLVED THAT the Oakland County Board of Commissioners does herewith approve of Northville's request that it be excluded from the Oakland County Solid Waste Management Plan, and

FURTHER BE IT RESOLVED THAT copies of this resolution be provided to the City of Northville and to the Wayne County Board of Commissioners, and

BE IT FINALLY RESOLVED THAT the Oakland County Solid Waste Planning Committee and the Oakland County Act 451 Designated Planning Agent be advised of this action and requested to exclude the City of Northville from the current planning efforts.

PLANNING AND BUILDING COMMITTEE

December 11, 1997

Miscellaneous Resolution #97289

BY: Planning & Building Committee, Charles E. Palmer, Chairperson

IN RE: Delineation of Oakland County Solid Waste Planning Boundaries

To the Oakland County Board of Commissioners

Chairperson, Ladies and Gentlemen:

WHEREAS the City of Northville sits astride the Oakland County / Wayne County border, and

WHEREAS the City of Northville has requested that it be included within the Wayne County Solid Waste Management Plan and excluded from the Oakland County Solid Waste Management Plan, and

WHEREAS Act 451 of 1994 as amended provides that such an arrangement shall be approved by a resolution of the Board of Commissioners of each of the involved counties, and

WHEREAS the City of Northville has previously been included within the Wayne County Solid Waste Management Plan and such an arrangement is eminently practical.

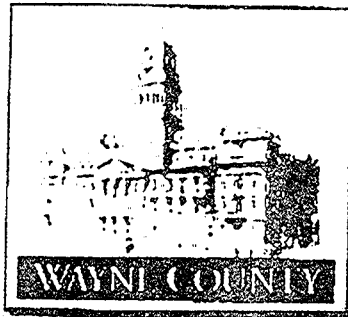
NOW THEREFORE BE IT RESOLVED THAT the Oakland County Board of Commissioners does herewith approve of Northville's request that it be excluded from the Oakland County Solid Waste Management Plan, and

FURTHER BE IT RESOLVED THAT copies of this resolution be provided to the City of Northville and to the Wayne County Board of Commissioners, and

BE IT FINALLY RESOLVED THAT the Oakland County Solid Waste Planning Committee and the Oakland County Act 451 Designated Planning Agent be advised of this action and requested to exclude the City of Northville from the current planning efforts.

PLANNING AND BUILDING COMMITTEE

A handwritten signature in dark ink, appearing to read "Charles E. Palmer", is written over a horizontal line.



Edward H. McNamara
County Executive

January 27, 1998

Honorable Ricardo Solomon
Chairman, Wayne County Commission
450 Wayne County Building
Detroit, Michigan 48226

RE: ADOPTION OF A RESOLUTION BY THE WAYNE COUNTY COMMISSION
DELINEATING WAYNE COUNTY SOLID WASTE PLANNING BOUNDARIES,
AND THE CITY OF NORTHVILLE'S REQUEST TO BE INCLUDED IN
THE WAYNE COUNTY SOLID WASTE MANAGEMENT PLAN OF 1998.
(REF: 98-70-008)

Dear Chairman Solomon:

The County Executive's Office, and the Office of the Corporation Counsel have reviewed and approved the attached request from the Department of Environment for approval of the above-referenced project.

The City of Northville sits astride the Wayne County/Oakland County border. The City of Northville has requested that it be included within the Wayne County Solid Waste Management Plan and excluded from the Oakland County Solid Waste Management Plan.

Act 451 of 1994 as amended provides that such an arrangement shall be approved by a Resolution of the Board of Commissioners of each of the involved counties.

The City of Northville has previously been included within the Wayne County Solid Waste Management Plan and such an arrangement is eminently practical.

Therefore, it is requested that the Wayne County Commission adopt the appropriate Resolution providing for the following action:

DEPARTMENT OF ENVIRONMENT
415 CLIFFORD, DETROIT, MICHIGAN 48226 • 313-224-3620

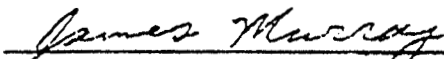
Honorable Ricardo Solomon
January 27, 1998
Page 2

THEREFORE BE IT RESOLVED, THAT the Wayne County Board of Commissioners does herewith approve of Northville's request that it be included in The Wayne County Solid Waste Management Plan, and

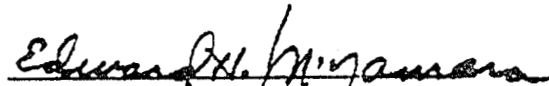
FURTHER BE IT RESOLVED, THAT copies of this Resolution be provided to the City of Northville and to the Oakland County Board of Commissioners, and

BE IT FINALLY RESOLVED, THAT the Wayne County Solid Waste Planning Committee and the Wayne County Act 451 Designated Planning Agent be advised of this action and requested to include the City of Northville in the current planning efforts.

APPROVED:


James Murray, Director
Department of Environment

APPROVED FOR SUBMISSION
TO THE COMMISSION:


Edward H. McNamara
Wayne County Executive

EHM:GDC:d1

Attachment

RESOLUTION

No. 98-107

By Commissioner Blackwell

RESOLVED, by the Wayne County Commission this 19th day of February, 1998 that approval be, and is hereby, granted authorizing the delineation of Wayne County Solid Waste Planning boundaries and the inclusion of the City of Northville into the Wayne County Solid Waste Management Plan of 1998, as recommended by the Chief Executive Officer.

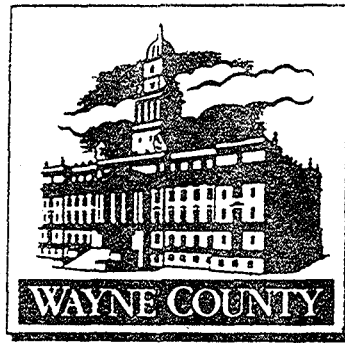
(98-70-008)

APPENDIX O
LISTED CAPACITY

Listed Capacity

The following documents detail Wayne County's access to the listed capacity of the landfills to be used.

A letter was sent to all operating landfills within Wayne County as well as landfills in other Michigan counties that accept waste from Wayne County requesting verification that Wayne County will have access to the Plan's listed capacity.



September 6, 2000

Edward H. McNamara
County Executive

Mr. Jerome S. Amber
Environmental Quality Office
Ford Motor Company
One Park Lane Boulevard
Suite 1400 East
Dearborn, MI 48126-2477

Re: Allen Park Clay Mine

Dear Mr. Amber:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which relies on private and public waste enterprises to handle Wayne County's waste disposal needs. As such, your facility is a vital component of our existing Plan and proposed update. The current annual and future volumes available at your facility are identified in the update.

To address requirements of the Michigan Department of Environmental Quality, Wayne County requests confirmation that these volumes are available to the residents and businesses of Wayne County. The County is not requesting a commitment of the total volume at our facility because waste imports into Wayne County will continue with the adoption of the updated Plan. The County requests that you acknowledge your intent to continue to accept Wayne County waste into your facility as you have in the past. While waste disposal volumes continue at current levels, there is sufficient capacity available to handle Wayne County's disposal needs beyond the ten years required by State law.

To comply with MDEQ requirements, Wayne County must confirm that your landfill will continue to accept waste volumes from Wayne County sources. To this end, please acknowledge this commitment by signing the acknowledgement section below and return the original signed copy for the Wayne County files.

Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

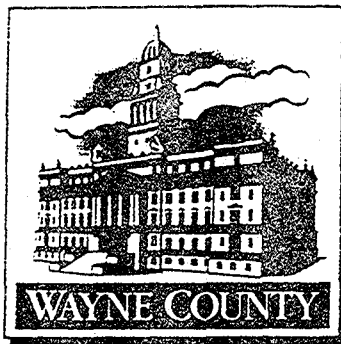
Acknowledged by:

FORD ALLEN PARK CLAY MINE LANDFILL
Facility Name

Jerome S. Amber
Operator / Owner Signature

9/11/2000
Date

Manager, Site and Contract Services
Title



September 6, 2000

Edward H. McNamara
County Executive

Mr. Brian Ezyk
Carleton Farms
P.O. Box 634
New Boston, MI 48164

Re: Carleton Farms Landfill

Dear Mr. Ezyk:

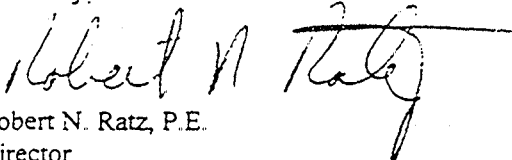
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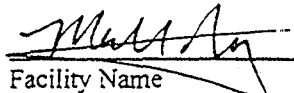
To comply with MDEQ requirements, Wayne County must confirm that your landfill will continue to accept waste volumes from Wayne County sources. To this end, please acknowledge this commitment by signing the acknowledgement section below and return the original signed copy for the Wayne County files.

Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

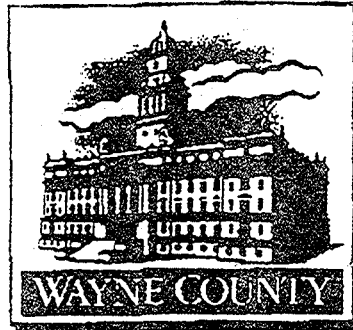

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:


Facility Name

CARLETON FARMS LANDFILL 9/13/00
Operator / Owner Signature Date

AREA PRESIDENT
Title



September 6, 2000

Edward H. McNamara
County ExecutiveMr. Max Wilkinson
1491 W. Jefferson Ave.
Trenton, MI 48183

Re: Countywide Landfill

Dear Mr. Wilkinson:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which relies on private and public waste enterprises to handle Wayne County's waste disposal needs. As such, your facility is a vital component of our existing Plan and proposed update. The current annual and future volumes available at your facility are identified in the update.

To address requirements of the Michigan Department of Environmental Quality, Wayne County requests confirmation that these volumes are available to the residents and businesses of Wayne County. The County is not requesting a commitment of the total volume at our facility because waste imports into Wayne County will continue with the adoption of the updated Plan. The County requests that you acknowledge your intent to continue to accept Wayne County waste into your facility as you have in the past. While waste disposal volumes continue at current levels, there is sufficient capacity available to handle Wayne County's disposal needs beyond the ten years required by State law.

To comply with MDEQ requirements, Wayne County must confirm that your landfill will continue to accept waste volumes from Wayne County sources. To this end, please acknowledge this commitment by signing the acknowledgement section below and return the original signed copy for the Wayne County files.

Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

A handwritten signature in dark ink, appearing to read "Robert N. Ratz", with a long, sweeping horizontal line extending to the right.

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

Countywide Landfill
Facility NameWaggle
Operator / Owner Signature9/8/00
DatePresident
TitleDEPARTMENT OF ENVIRONMENT
3600 COMMERCE COURT • BUILDING E • WAYNE, MICHIGAN 48184

(734) 326-3936 FAX (734) 326-4421

RECEIVED DATE - 10/16/00 15:20 FROM - 734 246 4020



September 6, 2000

Edward H. McNamara
County Executive

Mr. Richard Shirley
Executive Director
Central Wayne County Sanitation Authority
4901 South Inkster Road
Dearborn Heights, MI 48125

Re: Huron Monofill

Dear Mr. Shirley:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which relies on private and public waste enterprises to handle Wayne County's waste disposal needs. As such, your facility is a vital component of our existing Plan and proposed update. The current annual and future volumes available at your facility are identified in the update.

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To comply with MDEQ requirements, Wayne County must confirm that your landfill will continue to accept waste volumes from Wayne County sources. To this end, please acknowledge this commitment by signing the acknowledgement section below and return the original signed copy for the Wayne County files.

Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

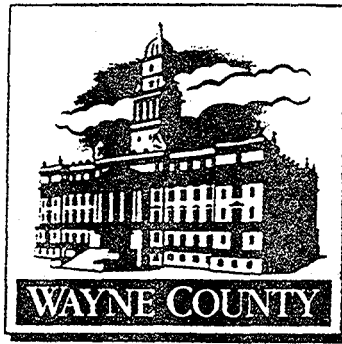
Acknowledged by:

Central Wayne County Sanitation Authority
Facility Name

R. E. Shirley
Operator / Owner Signature

9-7-00
Date

Executive Director
Title



September 6, 2000

Edward H. McNamara
County Executive

Mr. Thomas Boldrick
Edward C. Levy Co.
8800 Dix Ave.
Detroit, MI 48209

Re: Edward C. Levy Co. Landfill

Dear Mr. Boldrick:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which relies on private and public waste enterprises to handle Wayne County's waste disposal needs. As such, your facility is a vital component of our existing Plan and proposed update. The current annual and future volumes available at your facility are identified in the update.

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Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

EDWARD C. LEVY CO. LANDFILL
Facility Name

Thomas H. Boldrick 9/17/00
Operator / Owner Signature Date

Vice President
Title



RECEIVED
SEP - 7 2000

September 6, 2000

Edward H. McNamara
County Executive

PUBLIC SERVICE

Mr. Robert J. Beckley
Director of Public Works
City of Livonia
12973 Farmington Road
Livonia, MI 48150

Re: City of Livonia Landfill

Dear Mr. Beckley:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which relies on private and public waste enterprises to handle Wayne County's waste disposal needs. As such, your facility is a vital component of our existing Plan and proposed update. The current annual and future volumes available at your facility are identified in the update. To address requirements of the Michigan Department of Environmental Quality, Wayne County requests confirmation that these volumes are available to the residents and businesses of Wayne County. The County is not requesting a commitment of the total volume at our facility because waste imports into Wayne County will continue with the adoption of the updated Plan. The County requests that you acknowledge your intent to continue to accept Wayne County waste into your facility as you have in the past. While waste disposal volumes continue at current levels, there is sufficient capacity available to handle Wayne County's disposal needs beyond the ten years required by State law.

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Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

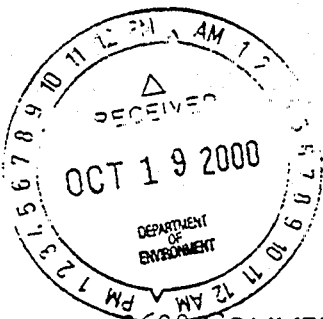
Acknowledged by:

CITY of LIVONIA LANDFILL
Facility Name

Robert J. Beckley
Operator / Owner Signature

10-15-00
Date

Director of Public Works
Title



DEPARTMENT OF ENVIRONMENT
3600 COMMERCE COURT • BUILDING E • WAYNE, MICHIGAN 48184
(734) 326-3936 FAX (734) 326-4421



September 6, 2000

Edward H. McNamara
County Executive

Ms. Angela Leonard
Environmental Manager
Sauk Trail Development, Inc.
5011 South Lilley
Canton, MI 48188

Re: Sauk Trail Hills Landfill

Dear Ms. Leonard:

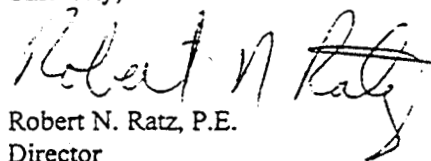
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Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

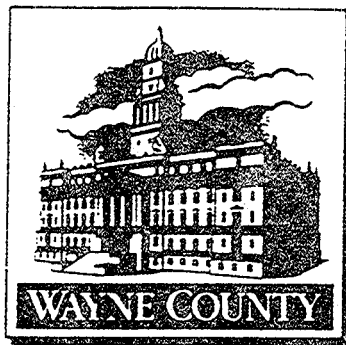

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

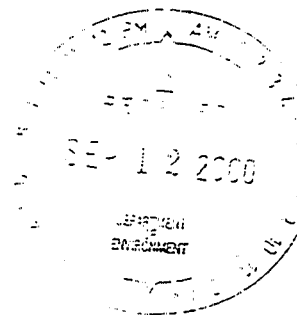
Sauk Trail Development Inc.
Facility Name

 9/22/00
Operator / Owner Signature Date

ENVIRONMENTAL MANAGER
Title



Edward H. McNamara
County Executive



September 6, 2000

Mr. Dennis Leonard
Detroit Edison Company
2000 Second Avenue
Room 1170 WCB
Detroit, MI 48226

Re: Sibley Quarry

Dear Mr. Leonard:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which relies on private and public waste enterprises to handle Wayne County's waste disposal needs. As such, your facility is a vital component of our existing Plan and proposed update. The current annual and future volumes available at your facility are identified in the update.

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Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

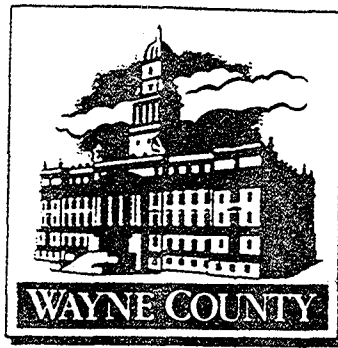
Acknowledged by:

Sibley Quarry, Detroit Edison
Facility Name

Dennis Leonard
Operator / Owner Signature

9-8-00
Date

Project Environmental Technician
Title



September 6, 2000

Edward H. McNamara
County Executive

Mr. Richard W. Spencer
Division Manager
Waste Management of Michigan, Inc.
5900 Hannan Road
Wayne, MI 48184

Re: Woodland Meadows - Van Buren

Dear Mr. Spencer:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which relies on private and public waste enterprises to handle Wayne County's waste disposal needs. As such, your facility is a vital component of our existing Plan and proposed update. The current annual and future volumes available at your facility are identified in the update.

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Sincerely,

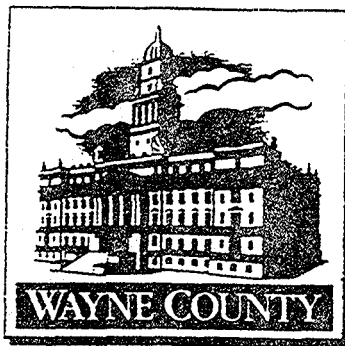
Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

Woodland Meadows
Facility Name

[Signature] 10-20-00
Operator / Owner Signature Date

Director Manager
Title



September 27, 2000

Edward H. McNamara
County Executive

Adrian Landfill
1970 North Ogden Highway
Adrian, MI 49221

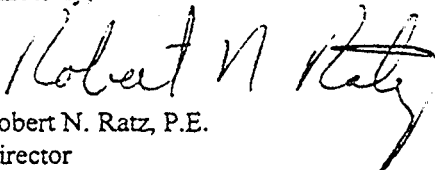
Dear Owner/Operator:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which utilizes private and public waste enterprises inside and outside of Wayne County to handle Wayne County's waste disposal needs. Your facility has been identified in the proposed update as a facility that accepts waste from Wayne County. As such the current annual and future volumes available at your facility are identified in the update. To address requirements of the Michigan Department of Environmental Quality, we are requesting confirmation that your facility will continue to accept Wayne County waste at your facility. The County is only requesting acknowledgment that your facility will continue to accept waste at levels consistent with previous years. There is sufficient capacity within Wayne County that exporting is not mandatory however we understand and encourage importation and exportation as it benefits the local communities and businesses.

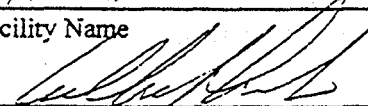
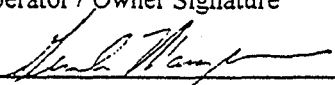
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Sincerely,


Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

ADRIAN LANDFILL
Facility Name

Operator / Owner Signature
10/2/00
Date

Title



September 27, 2000

Edward H. McNamara
County Executive

Citizens Disposal Landfill
2361 West Grand Blanc Road
Grand Blanc, MI 48439

Dear Owner/Operator:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which utilizes private and public waste enterprises inside and outside of Wayne County to handle Wayne County's waste disposal needs. Your facility has been identified in the proposed update as a facility that accepts waste from Wayne County. As such the current annual and future volumes available at your facility are identified in the update. To address requirements of the Michigan Department of Environmental Quality, we are requesting confirmation that your facility will continue to accept Wayne County waste at your facility. The County is only requesting acknowledgment that your facility will continue to accept waste at levels consistent with previous years. There is sufficient capacity within Wayne County that exporting is not mandatory however we understand and encourage importation and exportation as it benefits the local communities and businesses.

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Sincerely,

Robert N. Ratz

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

Citizens Disposal, Inc.
Facility Name

Charles R. Ratz
Operator/Owner Signature

10/6/00
Date

Environmental Manager
Title



EAGLE VALLEY RECYCLE AND DISPOSAL
A WASTE MANAGEMENT COMPANY

600 West Silver Bell Road
Orion, Michigan 48359
(248) 391-0990
(248) 391-1539 Fax

October 23, 2000

Mr. Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division
3600 Commerce Court
Building E
Wayne, MI 48184

RE: Wayne County Solid Waste

The following is in response to your request for documentation regarding the disposal of Wayne County solid waste at Eagle Valley Recycle and Disposal Facility in Oakland County.

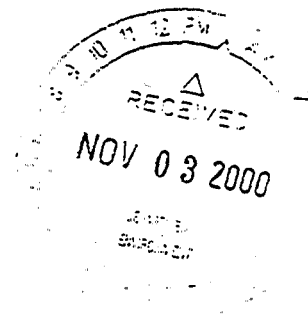
Solid waste that is generated in Wayne County can be accepted for disposal at Eagle Valley Recycle and Disposal Facility. Disposal capacity for Wayne County will be available in accordance with the Oakland County Solid Waste Plan.

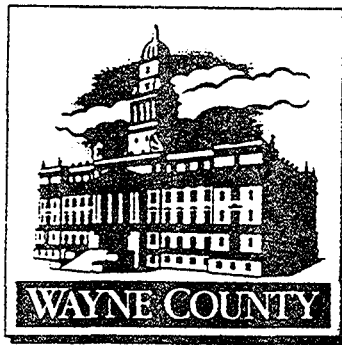
If you have any questions, please call me at 248-391-0990.

Regards,

John A. Spokaeski
District Manager

JAS-1442L





September 27, 2000

Edward H. McNamara
County Executive

Vienna Junction Landfill
6479 Dixie Hwy.
Erie, MI 48133

Dear Owner/Operator:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which utilizes private and public waste enterprises inside and outside of Wayne County to handle Wayne County's waste disposal needs. Your facility has been identified in the proposed update as a facility that accepts waste from Wayne County. As such the current annual and future volumes available at your facility are identified in the update. To address requirements of the Michigan Department of Environmental Quality, we are requesting confirmation that your facility will continue to accept Wayne County waste at your facility. The County is only requesting acknowledgment that your facility will continue to accept waste at levels consistent with previous years. There is sufficient capacity within Wayne County that exporting is not mandatory however we understand and encourage importation and exportation as it benefits the local communities and businesses.

To comply with MDEQ requirements, Wayne County must confirm that your landfill will continue to accept waste volumes from Wayne County sources. To this end, please acknowledge this commitment by signing the acknowledgement section below and return the original signed copy for the Wayne County files.

Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:
BFI Waste Systems of North America, Inc.
Vienna Junction Landfill

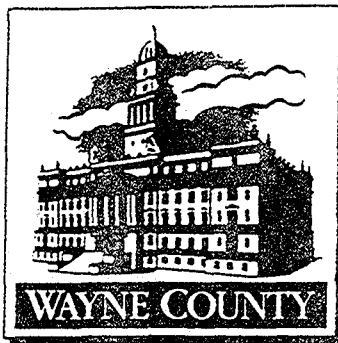
Facility Name

Operator / Owner Signature

October 4, 2000
Date

District Manager

Title



September 27, 2000

Edward H. McNamara
County Executive

RECEIVED
SEP 28 2000

Pine Tree Acres Landfill
36600 29 Mile Road
Lenox, MI 48050

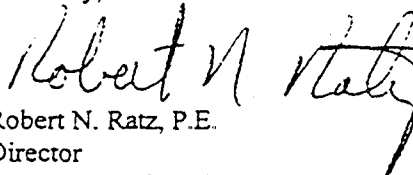
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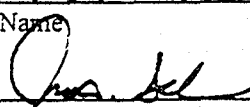
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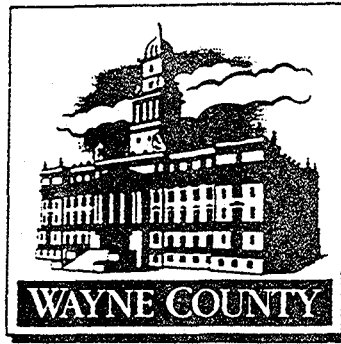
Thank you for your continuing assistance and participation in making Wayne County's Solid Waste Management Plan successful. If you have any questions regarding this letter or the Solid Waste Plan Update, please contact me at (734) 326-4494.

Sincerely,


Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

Pine Tree Acres Landfill
Facility Name
 10-2-2K
Operator / Owner Signature Date
Division Manager
Title



OAKLAND HTS
OCT 02 2000
DEVELOPMENT

September 27, 2000

Edward H. McNamara
County Executive

Oakland Heights Development
2350 Brown Road
Auburn Hills, MI 48326-1705

Dear Owner/Operator:

Wayne County is in the process of finalizing the update of its Solid Waste Management Plan. This updated plan is virtually unchanged in relation to the major components of the existing Plan, which utilizes private and public waste enterprises inside and outside of Wayne County to handle Wayne County's waste disposal needs. Your facility has been identified in the proposed update as a facility that accepts waste from Wayne County. As such the current annual and future volumes available at your facility are identified in the update. To address requirements of the Michigan Department of Environmental Quality, we are requesting confirmation that your facility will continue to accept Wayne County waste at your facility. The County is only requesting acknowledgment that your facility will continue to accept waste at levels consistent with previous years. There is sufficient capacity within Wayne County that exporting is not mandatory however we understand and encourage importation and exportation as it benefits the local communities and businesses.

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Sincerely,

Robert N. Ratz, P.E.
Director
Department of Environment
Land Resource Management Division

Acknowledged by:

OAKLAND HEIGHTS DEVELOPMENT INC
Facility Name

Bill Dolsen
Operator / Owner Signature

10/2/00
Date

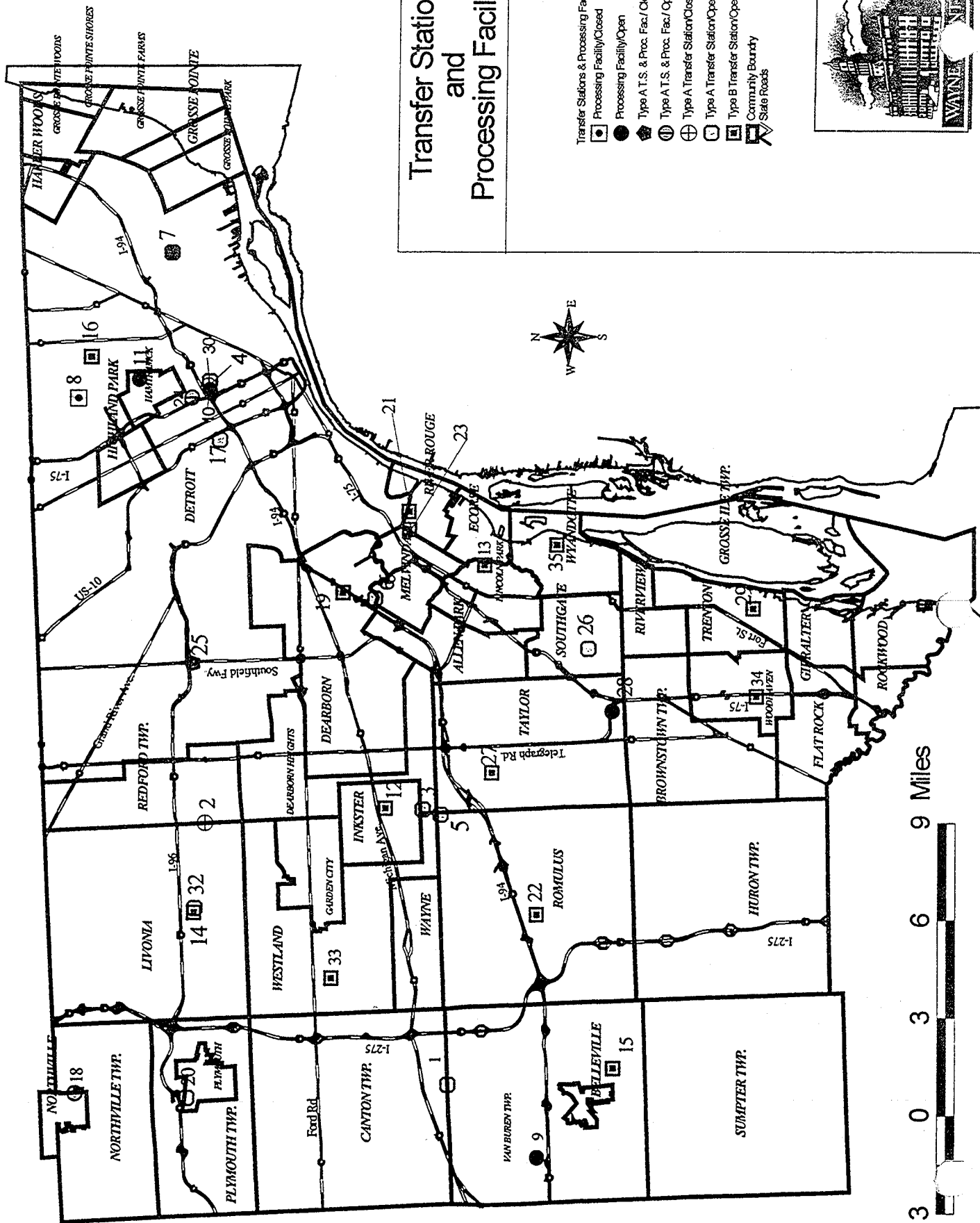
SITS MANAGER
Title

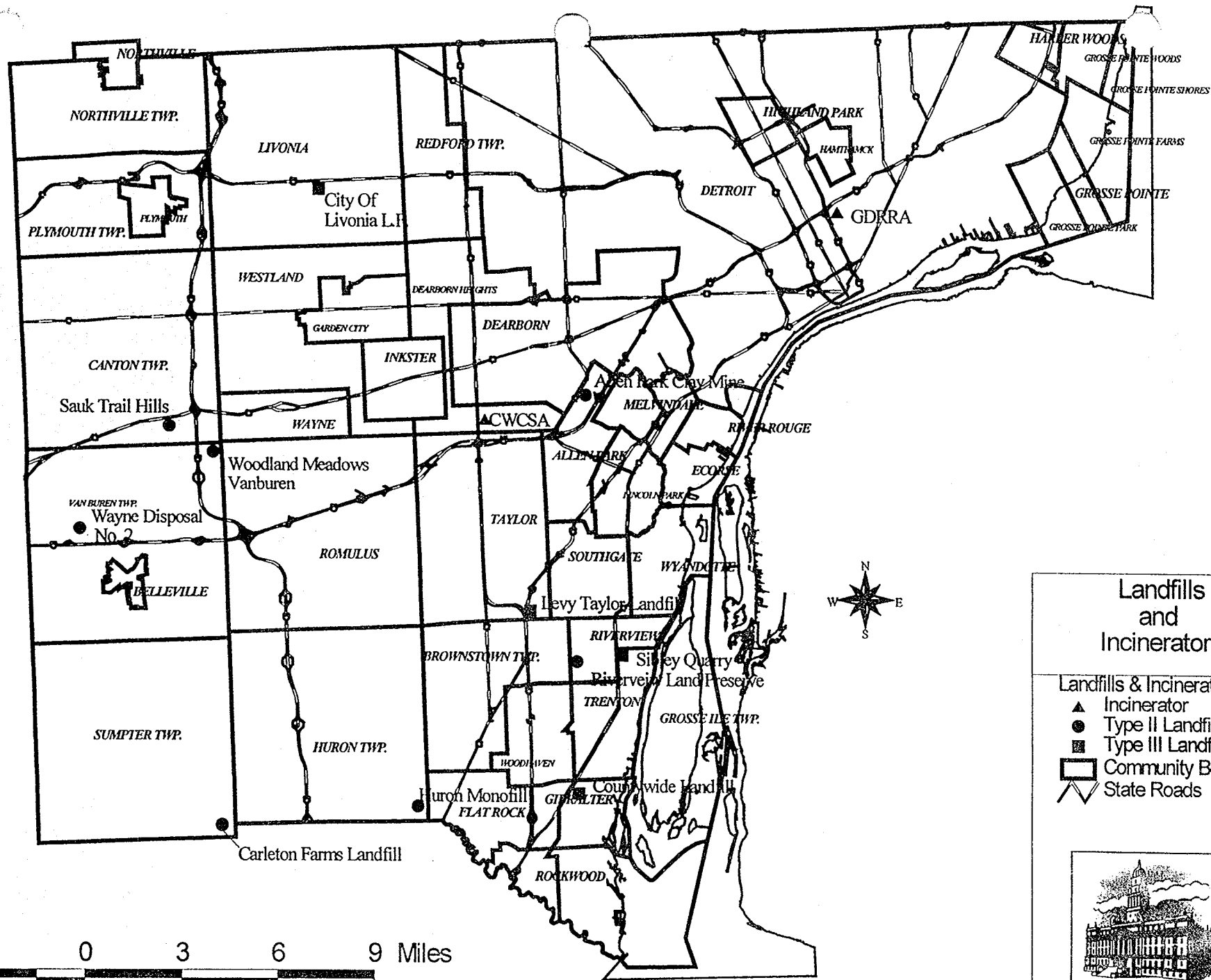
APPENDIX P

MAPS

Maps

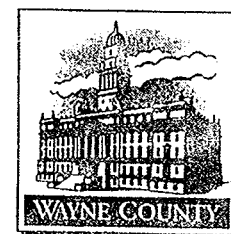
The following maps show locations of solid waste disposal facilities used by Wayne County.



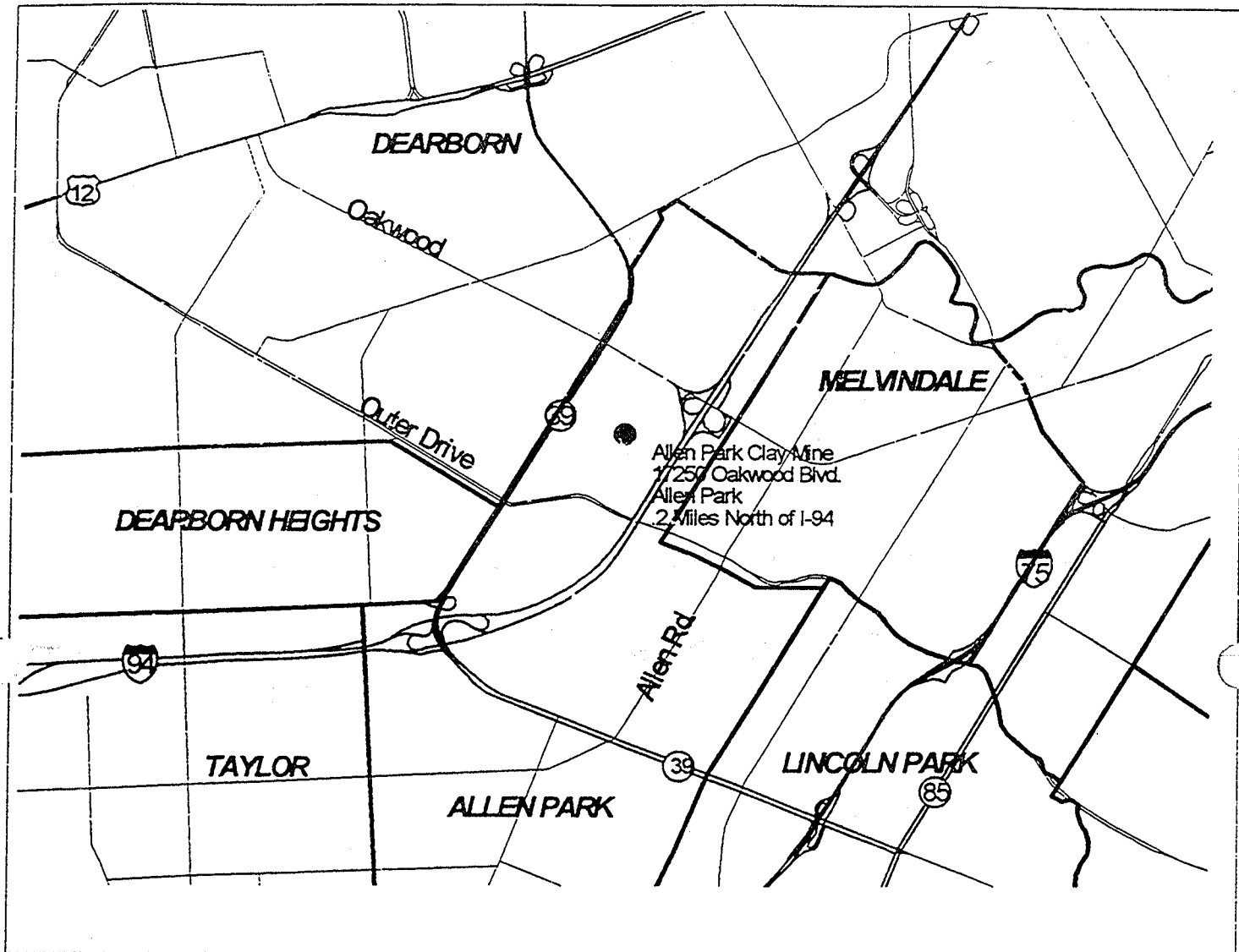


Landfills and Incinerators

- Landfills & Incinerators**
- ▲ Incinerator
 - Type II Landfill
 - Type III Landfill
 - Community Boundary
 - ▬ State Roads

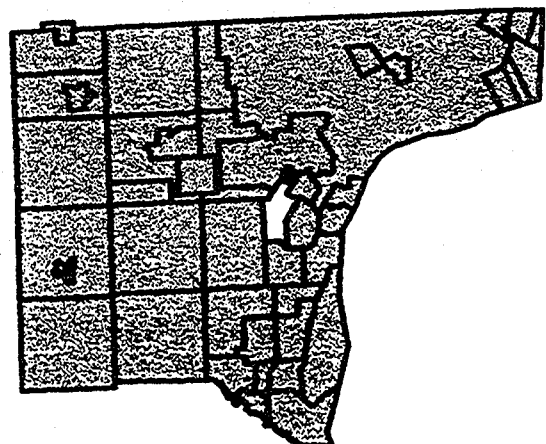


Allen Park Clay Mine Site Location Map

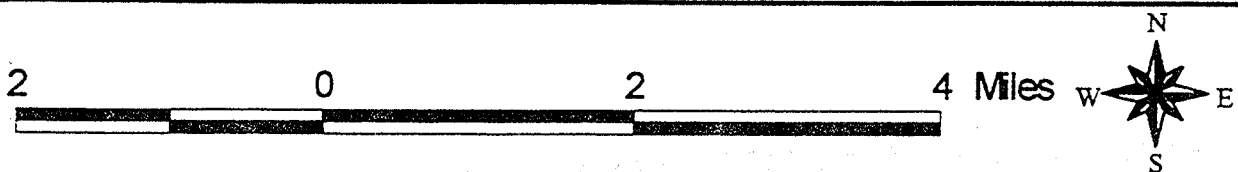
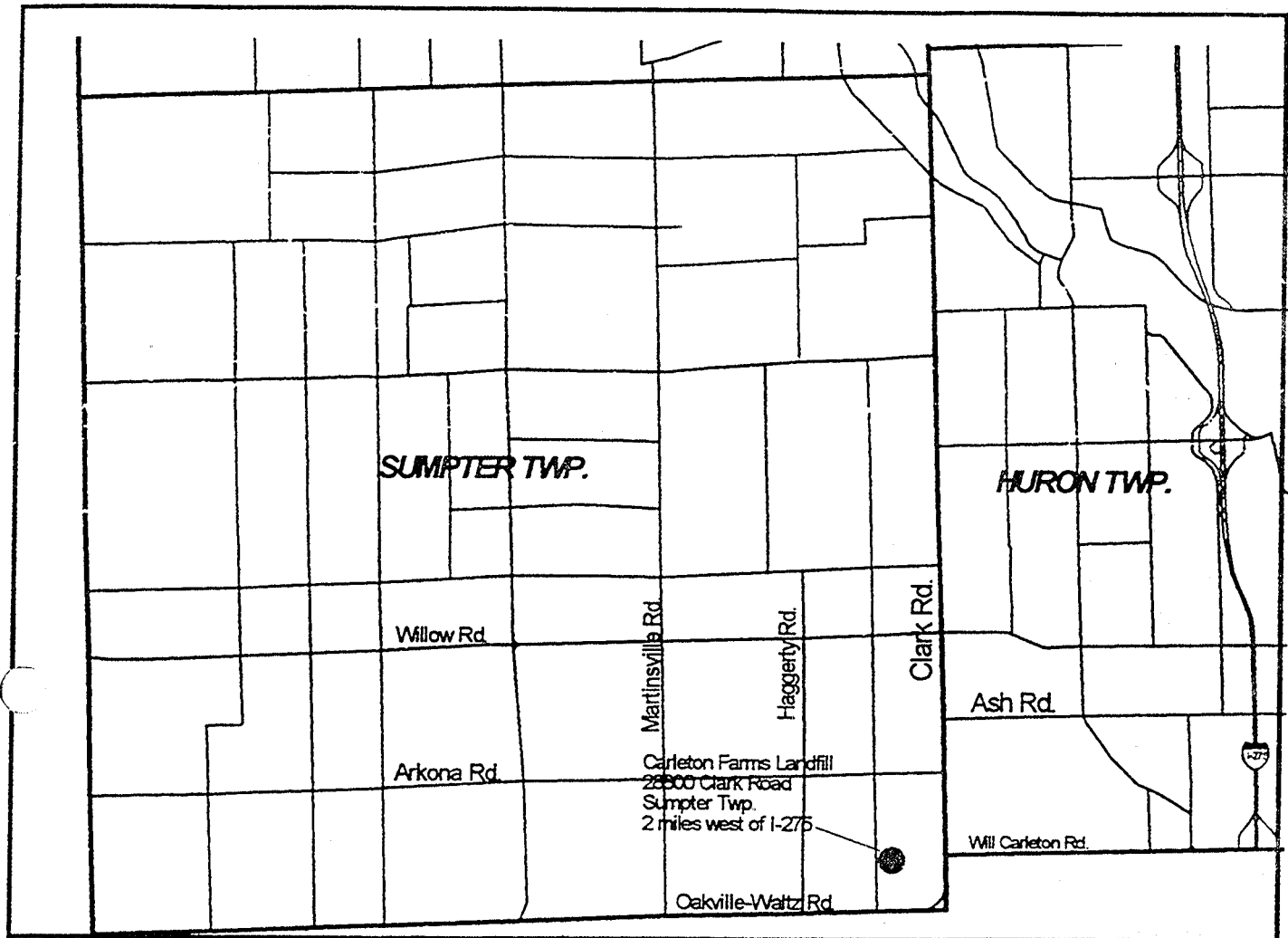


Legend

- Landfill Location
- ⚡ Express Ways
- ⚡ County Roads
- Community

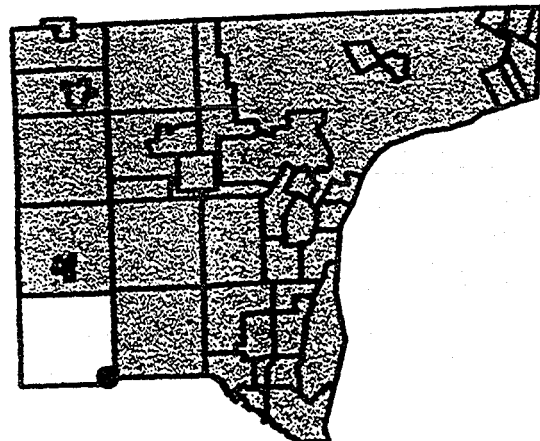


Carleton Farms Landfill Site Location Map

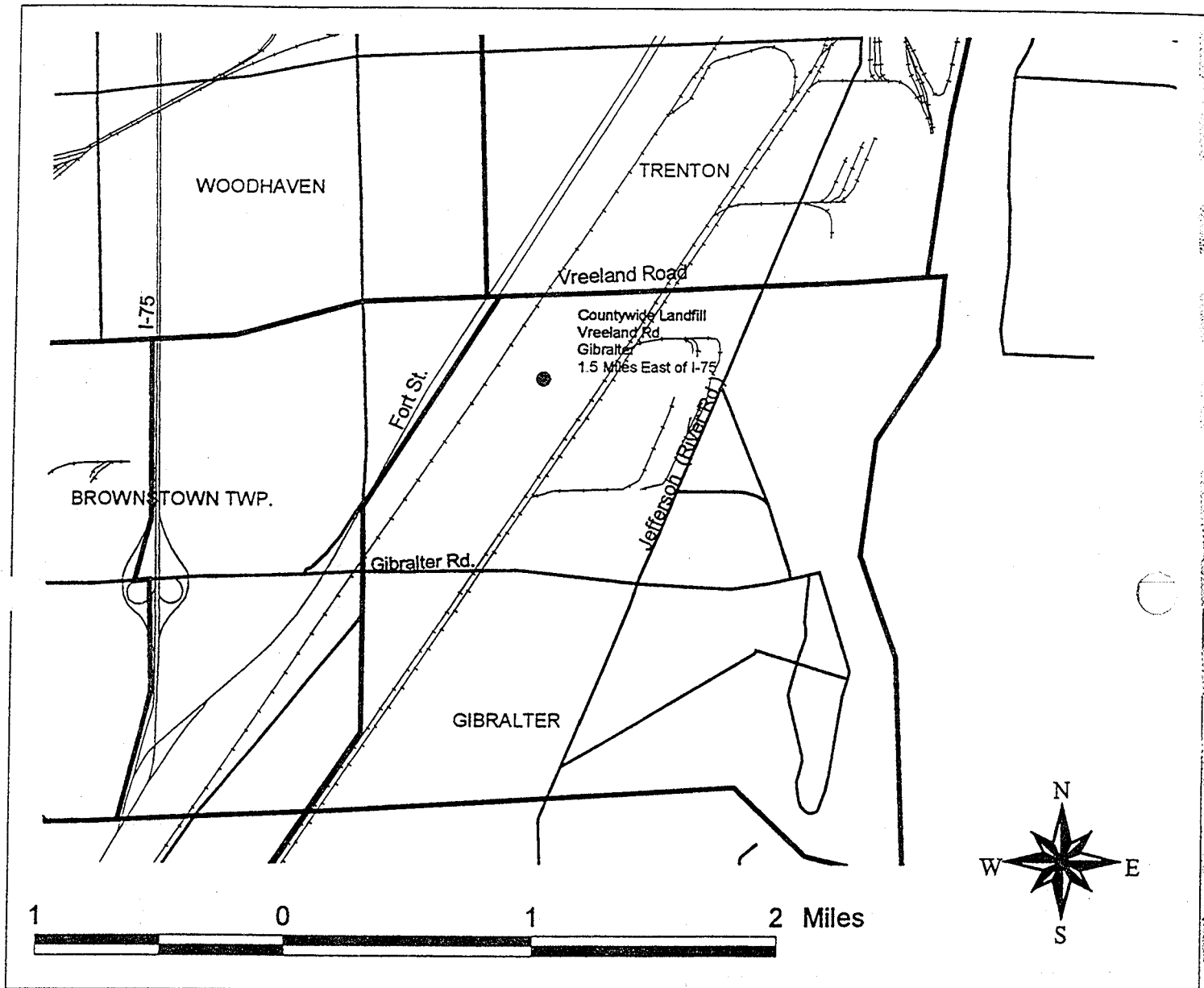


Legend

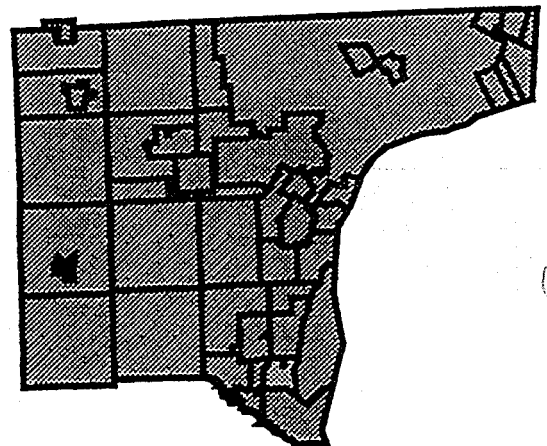
- Landfill Location
- ≡ Express Ways
- ≡ County Roads
- Community



Countywide Landfill Site Location Map

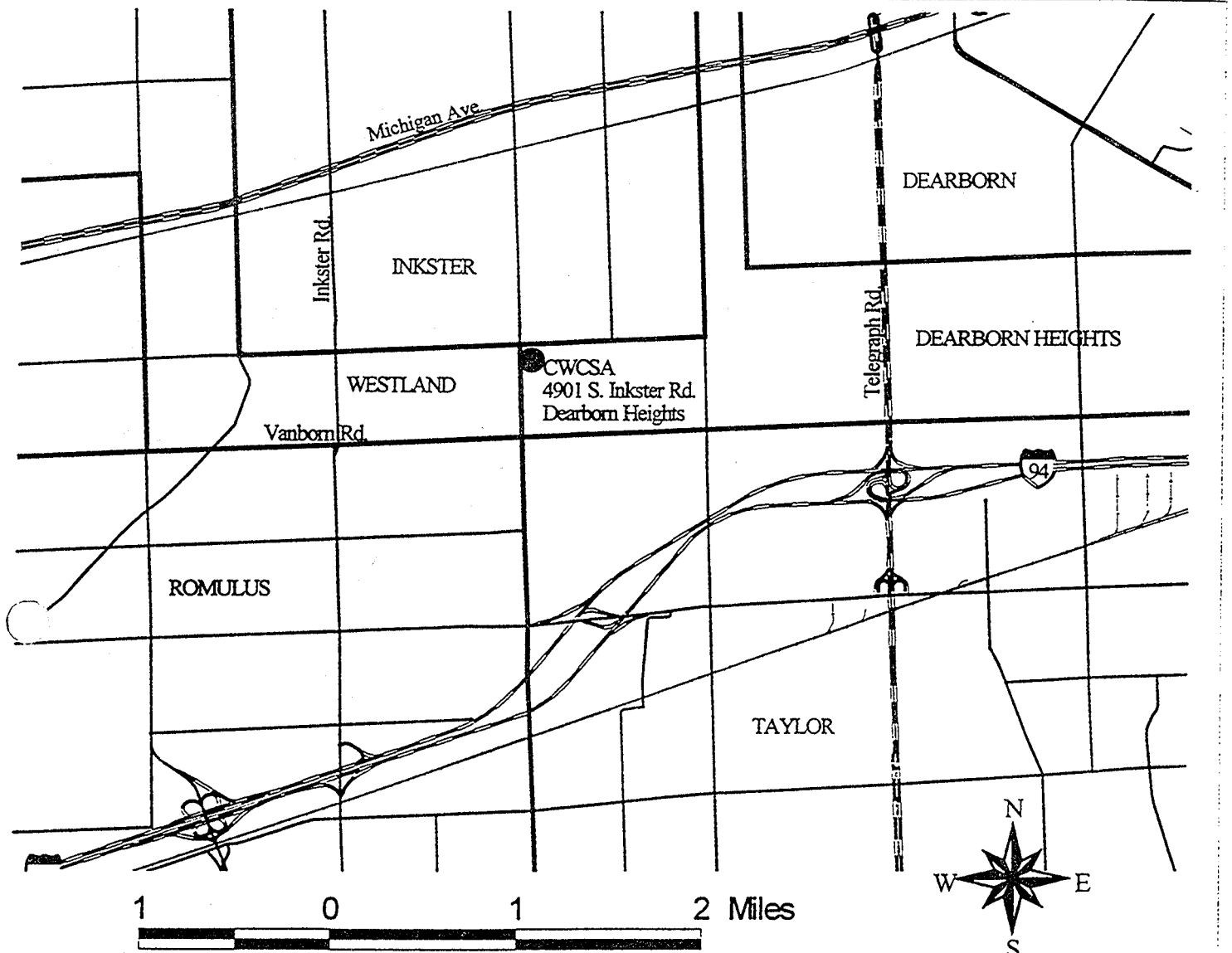






- Landfill Location
- Express Ways
- County Roads
- Railroad
- Community Boundry

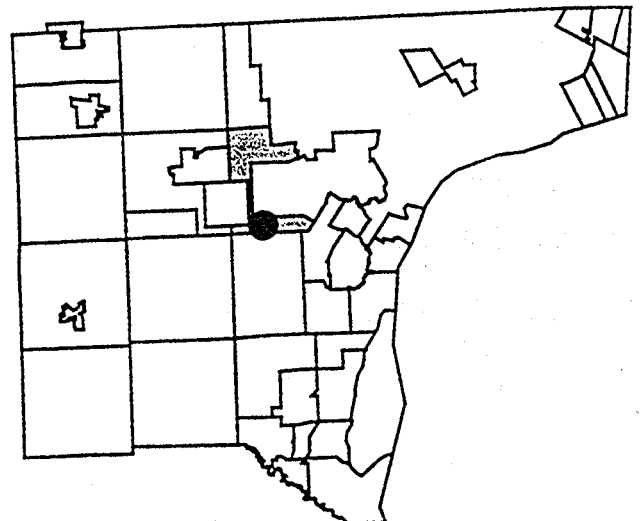


CWCSA Incinerator

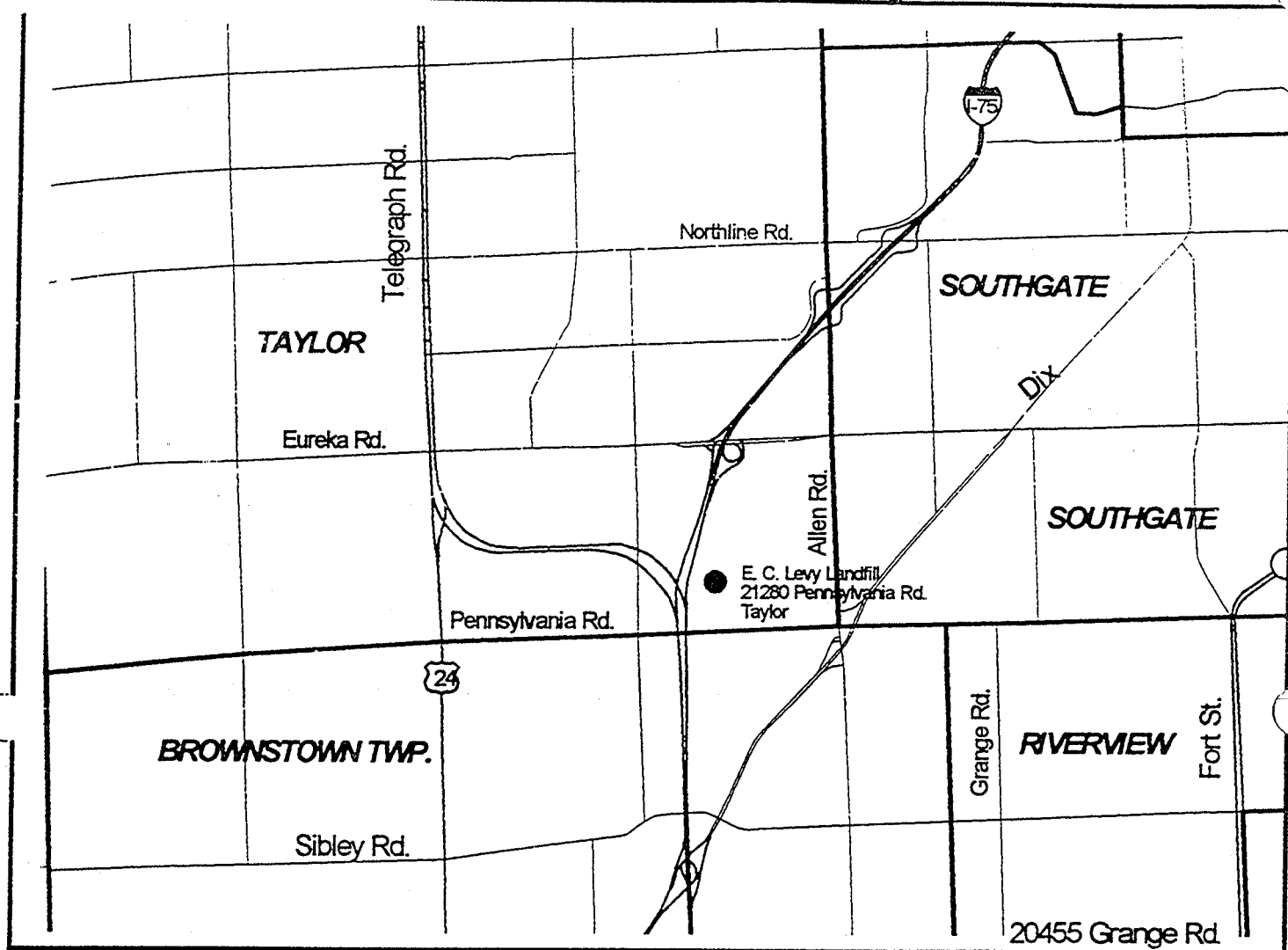
Site Location Map



-  Railroad
-  Community Boundary
-  State Highways
-  County Roads

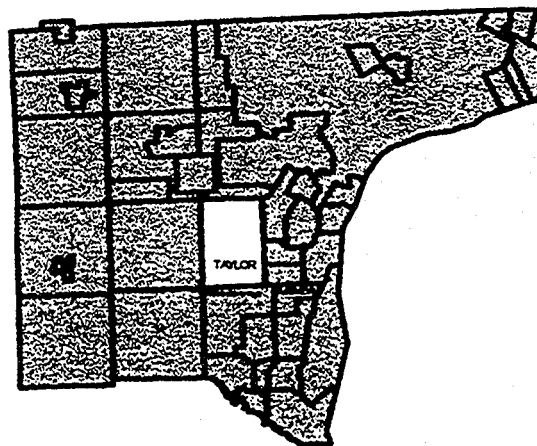


E. C. Levy Landfill Site Location Map

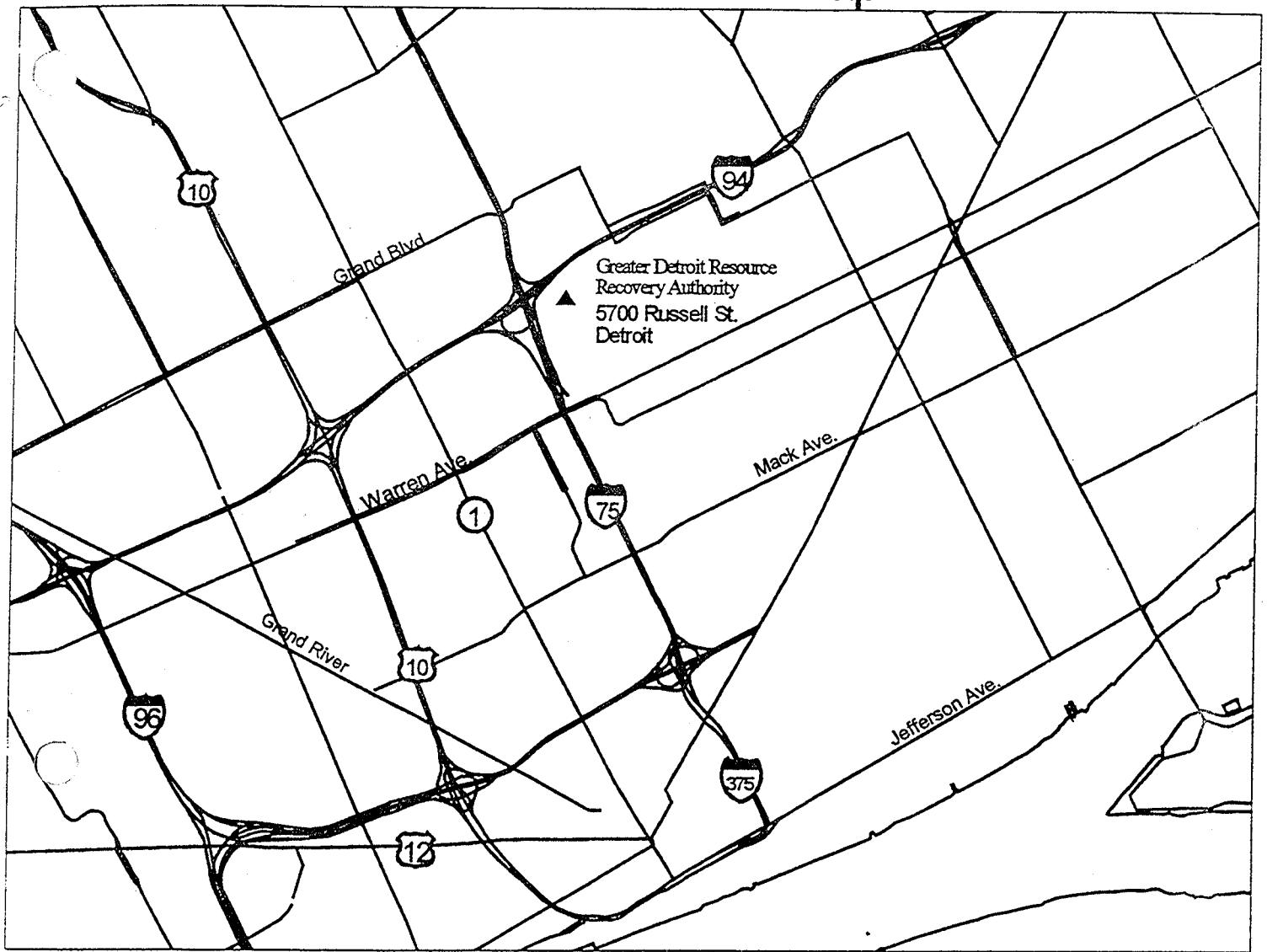


Legend

- Landfill Location
- Express Ways
- County Roads
- Community

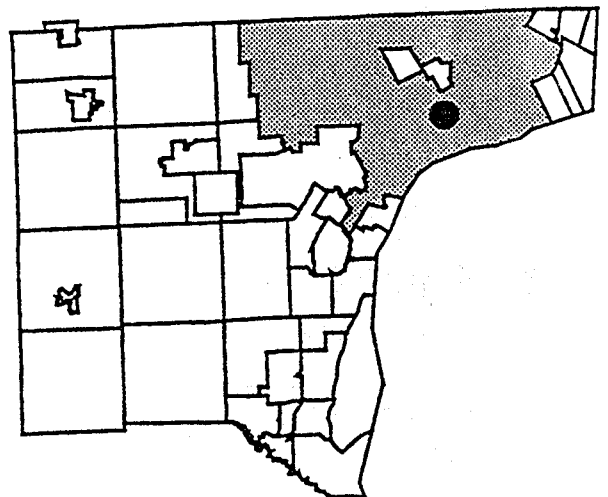


G.D.R.R.A. Incinerator Site Location Map

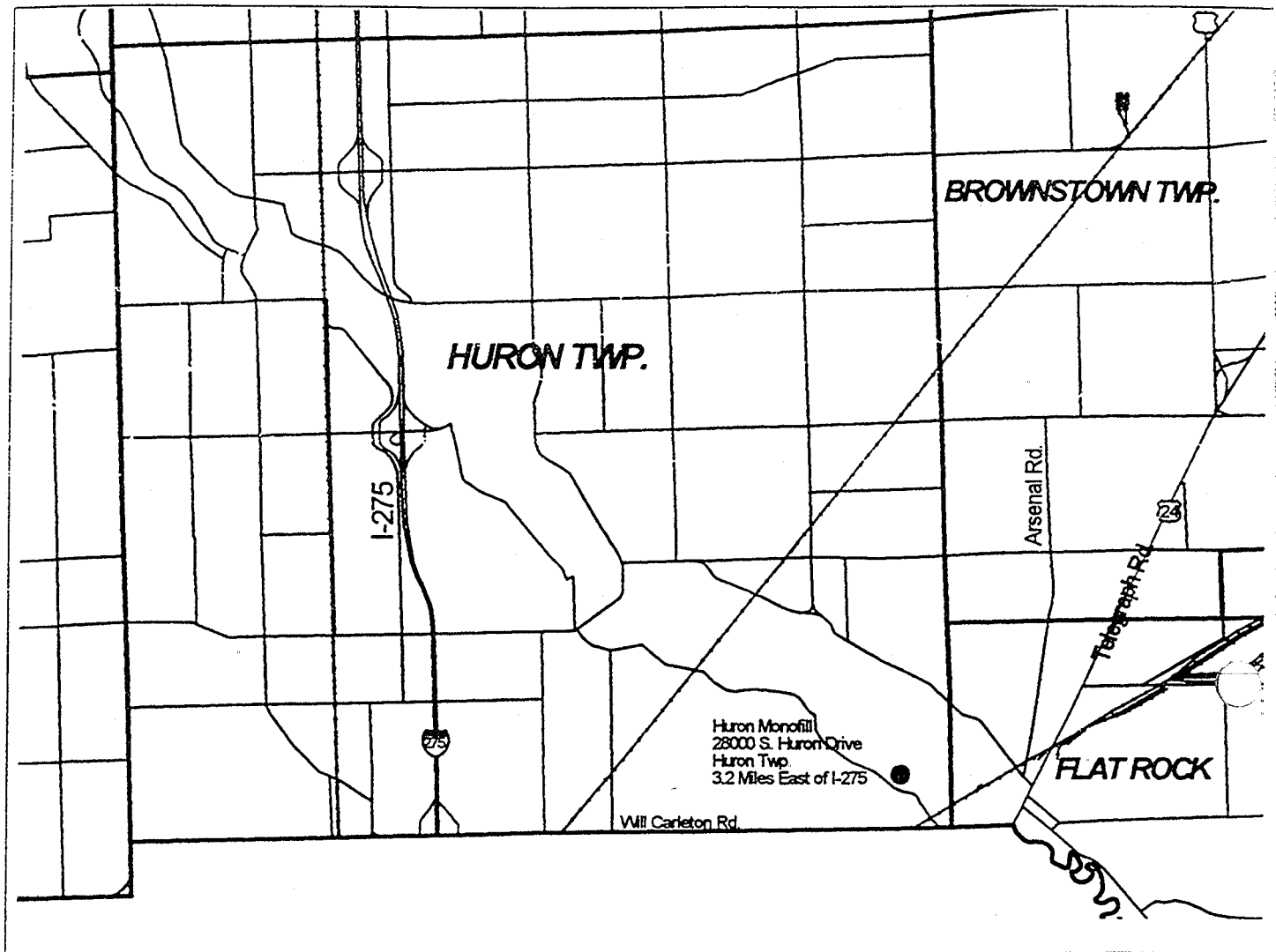


Legend

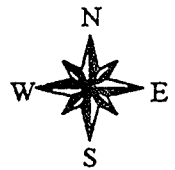
- Site Location
- State Highways
- Roadcty.shp



Huron Monofill Site Location Map

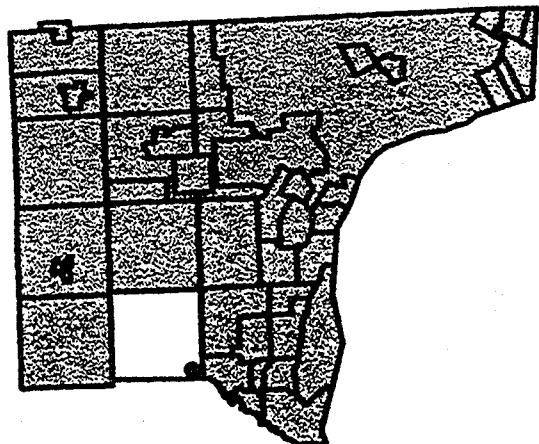


1 0 1 2 Miles

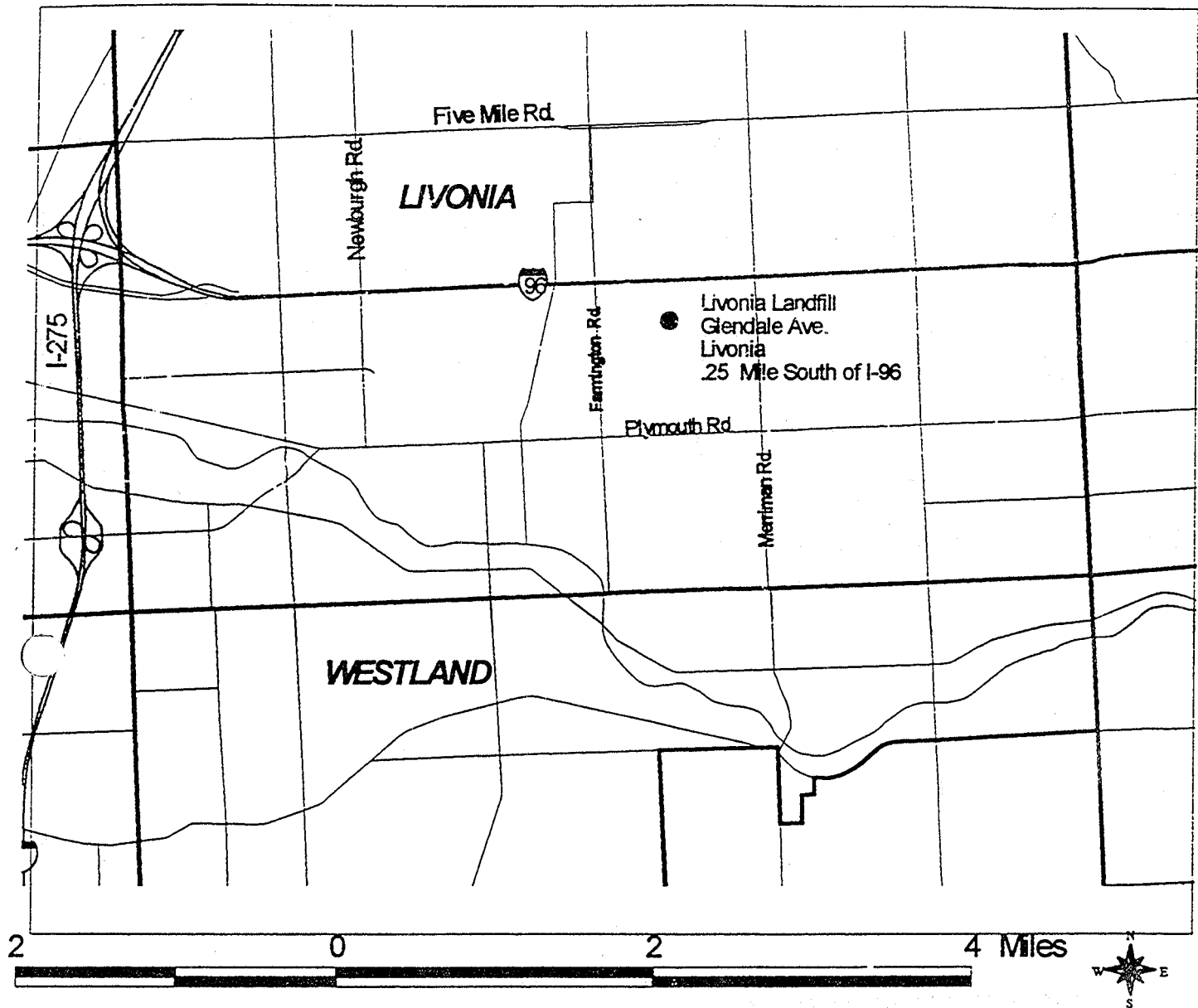


Legend

- Landfill Location
- ≡ Rail Roads
- ≡ Express Ways
- ≡ County Roads
- Community

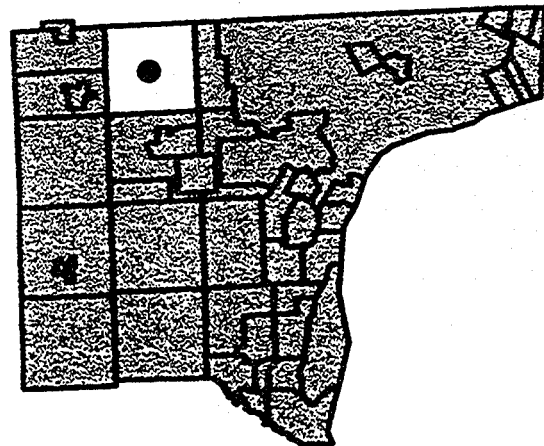


Livonia Landfill Site Location Map

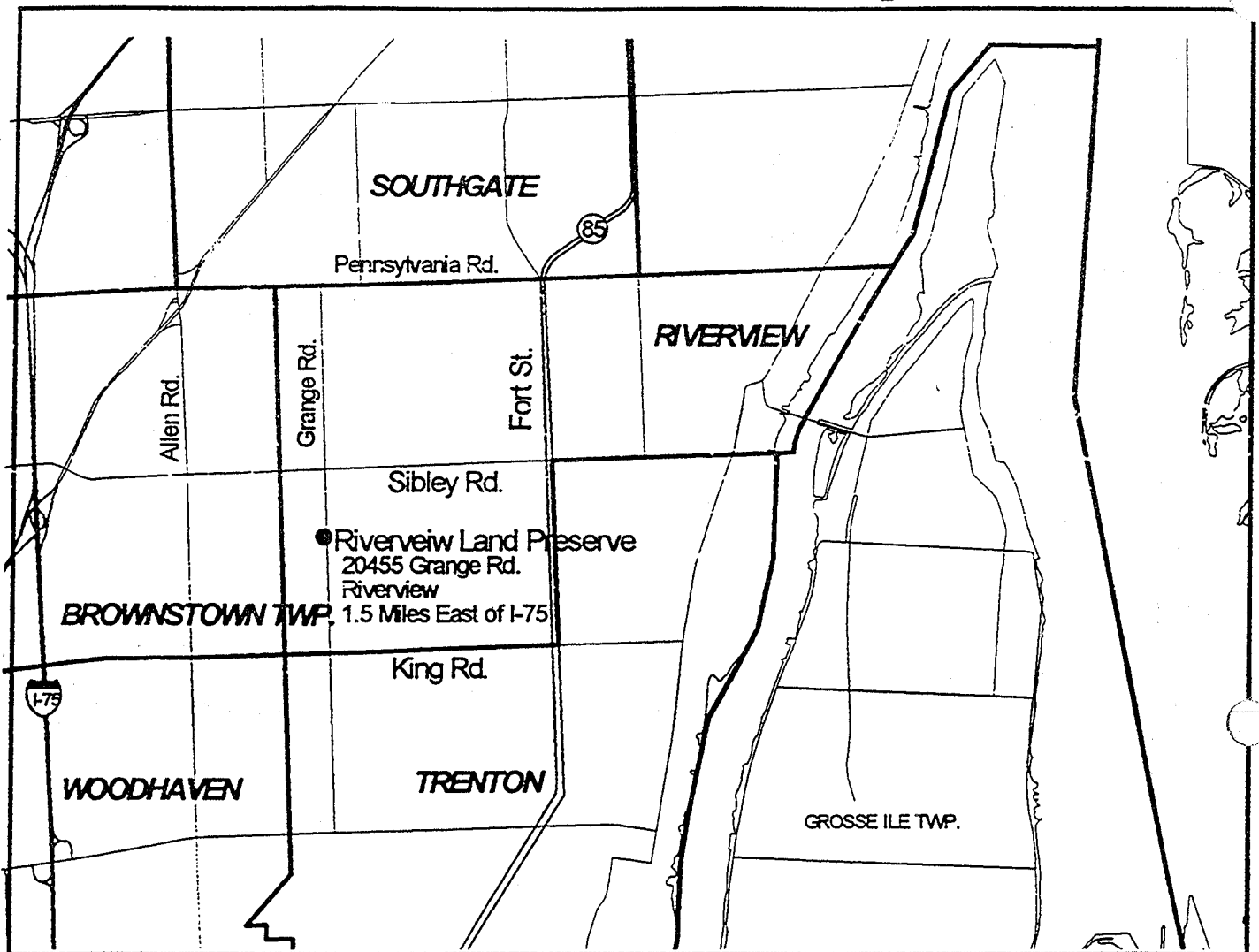


Legend

- Landfill Location
- ▬ Express Ways
- ▬ County Roads
- Community

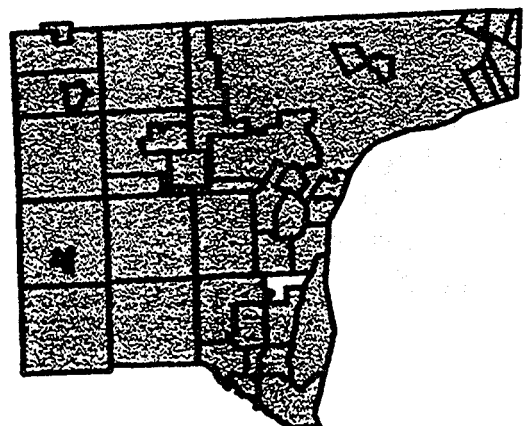


Riverview Land Preserve Site Location Map

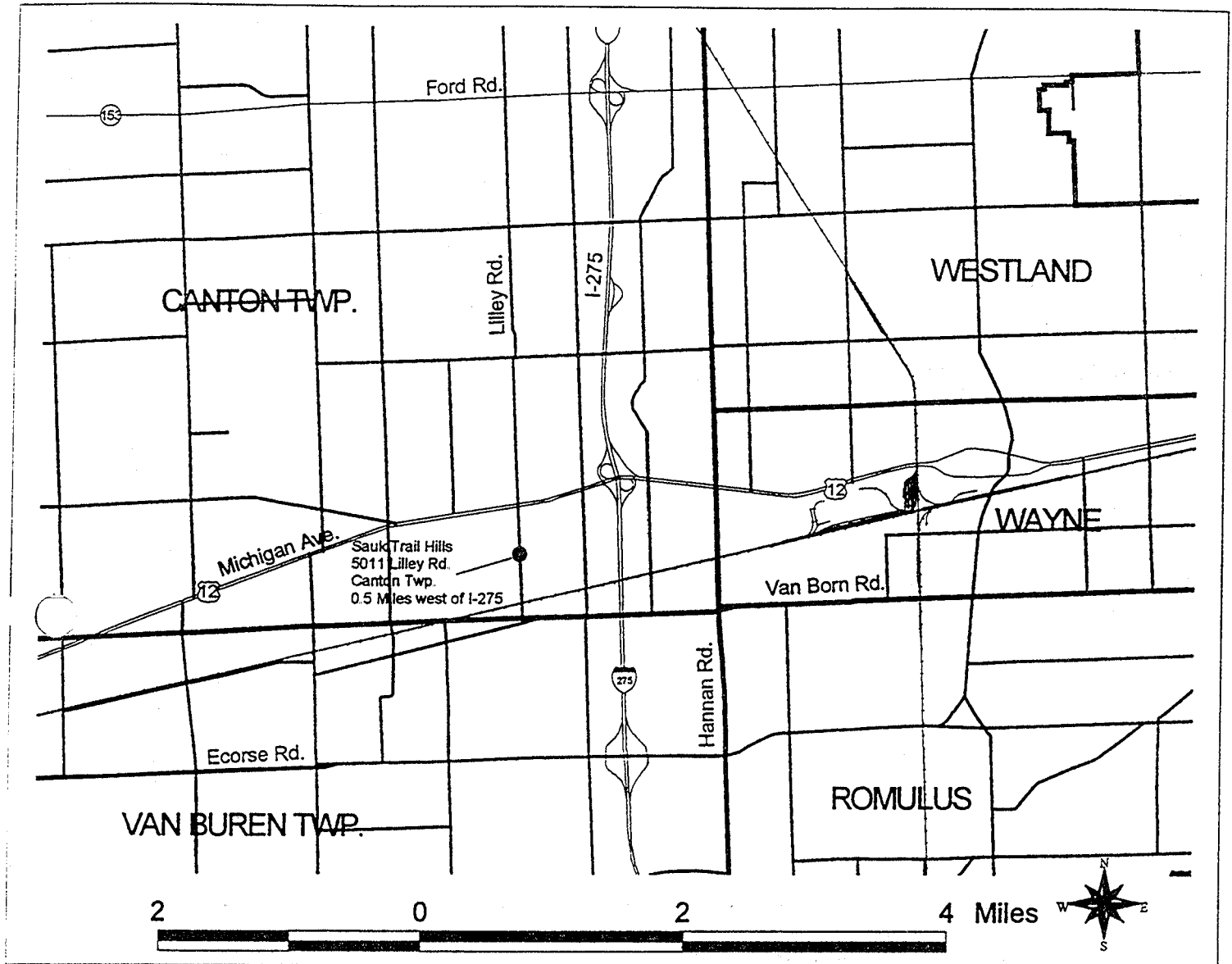


Legend

- Landfill Location
- Express Ways
- Shore
- County Roads
- Community

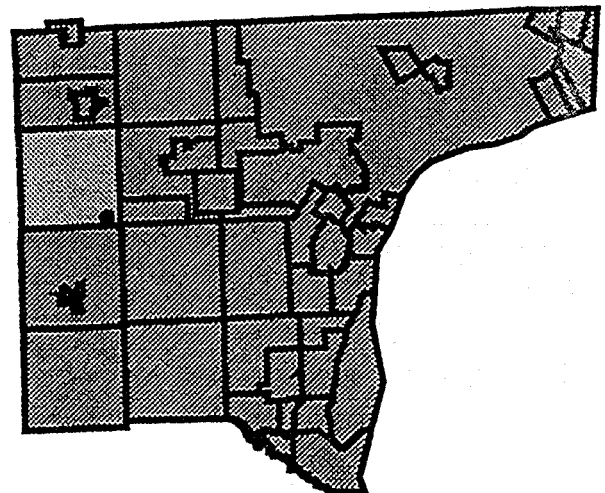


Sauk Trail Hills Landfill Site Location Map

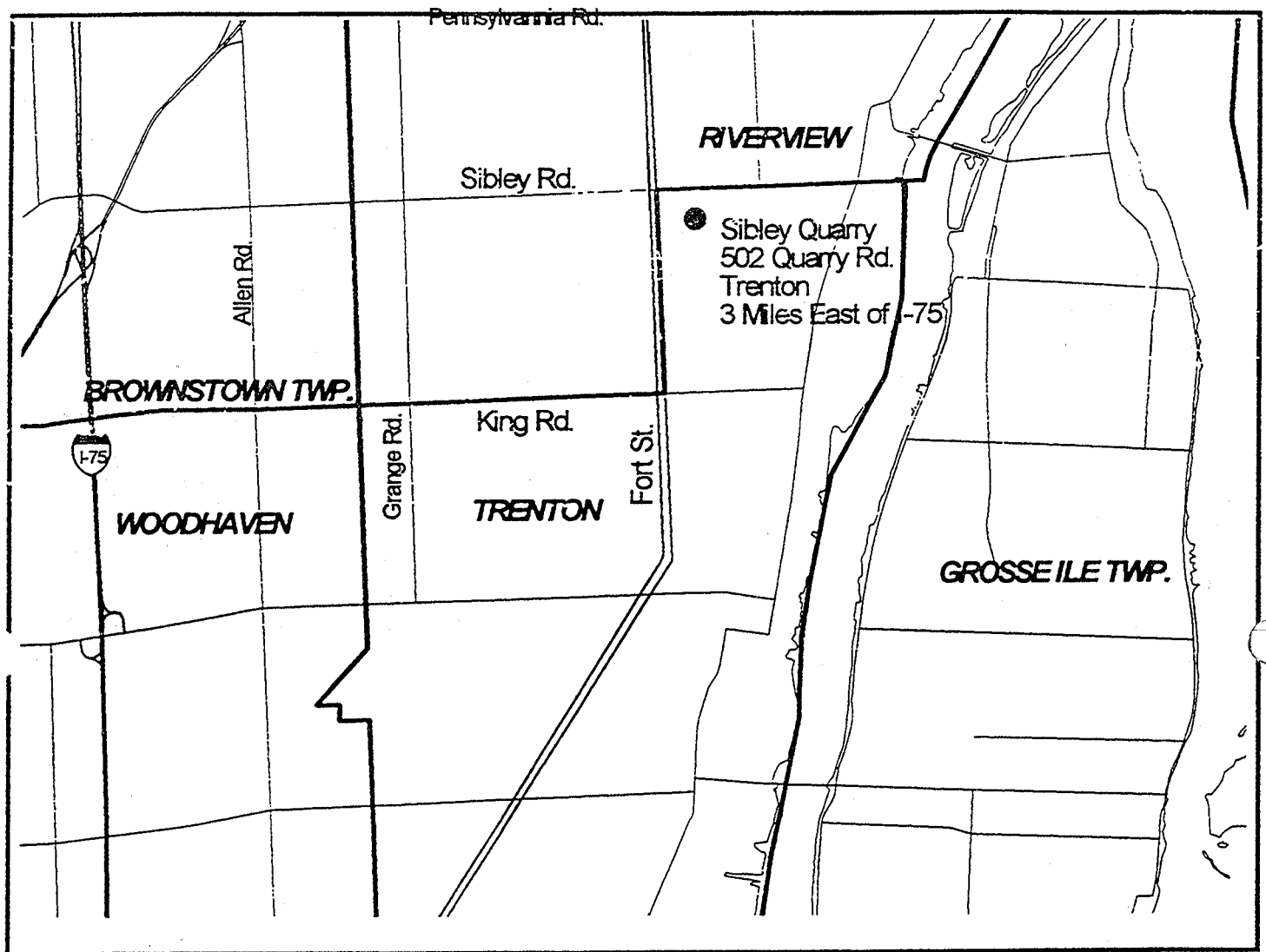


Legend

- Landfill Location
- Express Ways
- County Roads
- Railroad
- Community Boundry



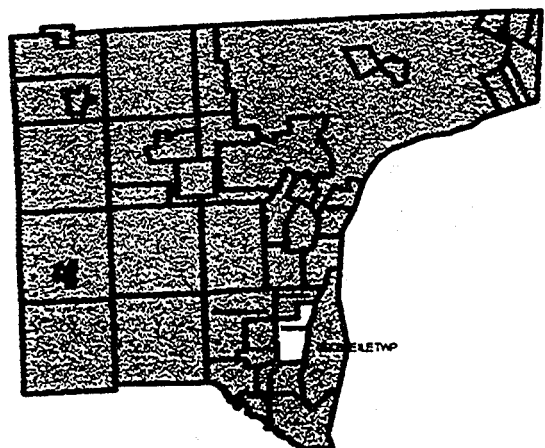
Sibley Quarry Landfill Site Location Map



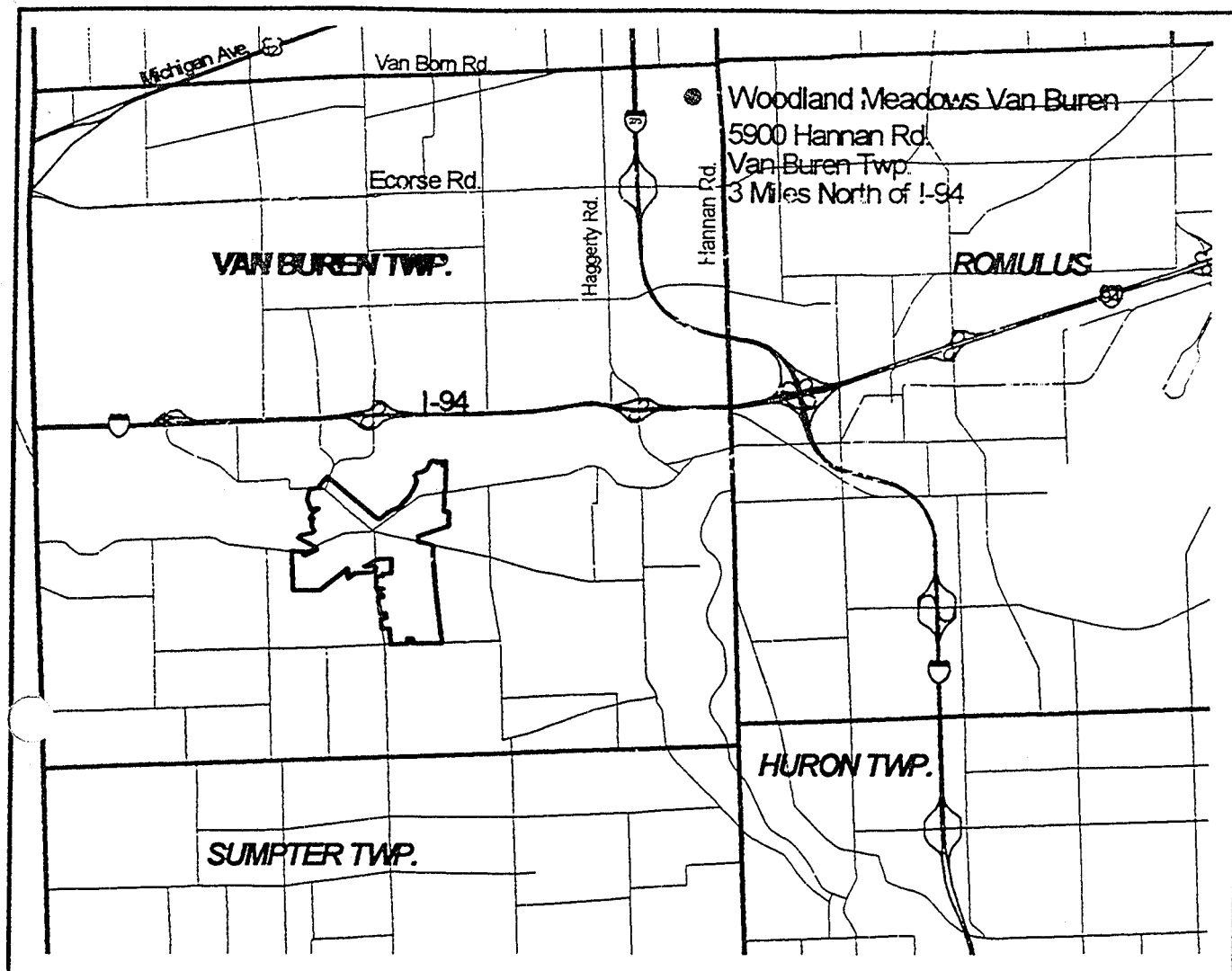
Legend

● Landfill Location

- Express Ways
- Shore
- County Roads
- Community

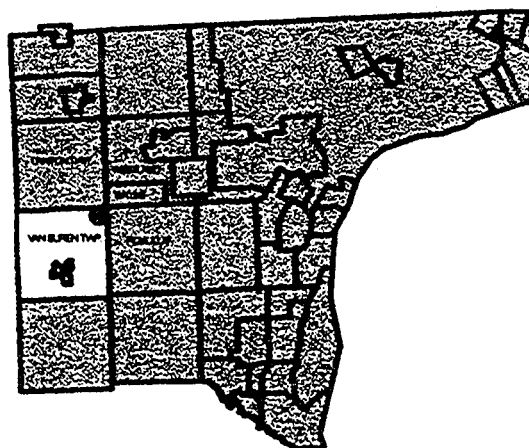


Woodland Meadows Van Buren Landfill Site Location Map



Legend

- Landfill Location
- ≡ Express Ways
- County Roads
- Community



GLOSSARY OF TERMS

Glossary of Terms

"Alternate Daily Cover" is material used in place of the required 6" of suitable soil material required by law for daily cover on a landfill. These materials may include tarps, foams, wood chips, or other materials that provide a barrier better than or equal to suitable soil materials. Use of an alternate daily cover by a facility is contingent upon approval of the MDEQ.

"Bank Cubic Yards (bcy)" is the unit of measure used to define the available airspace in a sanitary landfill. This is the actual volume available for waste placement.

"Commercial Waste" means all types of solid waste generated by stores, offices, restaurants, warehouses, and other non-manufacturing activities, but does not include household waste, hazardous waste, and industrial waste.

"Compaction Ratio" is the ratio between gate cubic yards and bank cubic yards designated as 2:1 or 3:1 etc. This ratio is used as a way to estimate the amount of waste, as delivered to a landfill, which will consume one cubic yard of airspace (bcy) in the landfill.

"Current Capacity" means the remaining permitted airspace in a landfill at a specific point in time. It can be based on cubic yards or tons. If expressed in cubic yards, it should be in bank cubic yards (bcy).

"Gate Cubic Yards (gcy)" is the unit of measure used to define the volume of waste that is delivered to the disposal facility. This is generally in a less dense state than when it is in place at a landfill. As a rule of thumb two gate cubic yards equals one bank cubic yard for municipal solid waste.

"Household Hazardous Waste" includes pesticides, motor oil and automobile batteries, common cleaners, solvents, paint products, and any other household material that may be corrosive, reactive, ignitable, toxic or otherwise harmful to human health and the environment. Household materials such as these may exhibit characteristics, which would result in classification as hazardous wastes, but are not regulated due to the household quantity exemption per Part 111 of P.A. 451 (NREPA).

"Industrial Waste" means solid waste that is generated by manufacturing or industrial processes, or originates from an industrial site and which is not a hazardous waste regulated pursuant to the provisions of Part 111 of P.A. 451 (NREPA).

"MSW" means municipal solid waste that generally includes household trash.

"Processing Facility" is a facility that changes the physical or chemical character of solid waste, by separation, treatment, or other methods, so as to make the waste or a constituent of the waste disposable or usable as a resource.

"Resource Recovery" is the practice of recovering material (i.e. glass, plastic, metal, wood) or energy (i.e. gas, electricity) from a waste stream.

"Sanitary Landfill" means a type of disposal area consisting of one or more landfill units and the active work areas associated with these units. Sanitary Landfill shall be classified as one of the following types of landfills:

- (i) A Type II Landfill, which is a municipal solid waste landfill, and includes a municipal solid waste incinerator ash landfill.
- (ii) A Type III Landfill, which is any landfill that is not a municipal solid waste landfill or a hazardous waste landfill and includes both of the following:
 - (a) construction and demolition waste landfills.
 - (b) industrial waste landfills.
- (iii) A monofill, which is a landfill that is used solely for the disposal of ash from the combustion of municipal solid waste.

"Solid Waste Construction Permit" is issued to a developer of a solid waste disposal area prior to its construction. The permit describes the construction, operation, closure, maintenance and post-closure monitoring of a solid waste disposal area. The permit is issued by the Michigan Department of Environmental Quality.

"Solid Waste Facility" or "Solid Waste Disposal Area" means a solid waste transfer facility, incinerator, sanitary landfill, processing plant, and resource recovery facility or other solid waste handling and disposal facility utilized in the disposal of solid waste. All such facilities, including license-exempt transfer stations, are required to be included in the Plan prior to operation.

"Solid Waste License" is issued by the Michigan Department of Environmental Quality to disposal areas who have been issued a construction permit and have completed the construction of a solid waste disposal facility under the terms of that permit. The license includes the names of the licensed owner and operator of the site. The license is issued for a two-year period and must be renewed for a facility to continue operating. The license may contain special conditions that may be amended during the license review period due to changes in operations or to resolve operational problems at the facility.

"Total Area Sited for Use" is the total area in acres that has been identified in the Solid Waste Management Plan for use as a solid waste disposal facility.

"Total Area of Facility Property" is the total area in acres of property that is identified in the construction permit and could be the same or larger than the Total Area Sited for Use.

"Total Area Permitted" is the area in acres that is identified in the solid waste construction permit for the actual placement of waste at a landfill, or for the handling of waste at a processing or transfer station.

"Type A Transfer Station" is a facility that is designed and operated to receive solid waste from mechanically unloaded vehicles and typically receives greater than 200 cubic yards per day.

"Type B Transfer Station" is a facility that is designed and operated to receive domestic and commercial solid waste from vehicles unloaded by hand and typically receives less than 200 cubic yards per day.

"Waste-to-Energy Incineration" is a process where solid waste is burned for the purpose of producing steam for heat and/or the generation of electrical power. This process reduces the fossil fuel consumption for power generation and reduces volume of waste requiring landfill space.

"Yard Clippings" means leaves, grass clippings, vegetable or other garden debris, shrubbery, or brush or tree trimmings, less than 4 feet in length and 2 inches in diameter, that can be converted to compost humus. Yard clippings do not include stumps, agricultural wastes, animal waste, roots, sewage sludge, or garbage.