THEODORE J. VONK
Chair

SHANA SHROLL
Vice Chair

WILLIAM BYL
Secretary

DAVID GROENLEER
GARY ROLLS
DAVE BULKOWSKI
RICHARD VANDER MOLEN

DOUGLAS G.WOOD
Director

# Board of Public Works

**AGENDA**

**November 5, 2013**
**9:00 AM**

**Kent County Administration Office**
**300 Monroe Ave. NW**
**Room 311**
**Grand Rapids, Michigan 49503**

I. Call to Order
II. Public Comment
III. Review and Approval of Minutes
IV. Administration
V. Solid Waste Operations
    A. South Kent Landfill
        1. Soil Borings Testing Contract
VI. Conference/Education Travels
    A. SWANA – Senior Executive Seminar
VII. Approval of Monetary Outlays
VIII. Director's Report
    A. Overview of Solid Waste Plan Implementation
    B. Legislation Update
    C. Operation Reports Summary
    D. 2014 Meeting Dates
IX. Miscellaneous
X. Adjournment

Earl G. Woodworth Building • 1500 Scribner Avenue, N.W. • Grand Rapids, Michigan 49504-3233
Telephone: (616) 336-3694 • Facsimile: (616) 336-3338 • E-Mail address: kcdpw@kentcountymi.gov

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**COUNTY BOARD OF PUBLIC WORKS**

**October 3, 2013**
**8:00 AM**

**Earl G. Woodworth Building**
**Second Floor Conference Room**
**1500 Scribner Avenue NW**
**Grand Rapids, Michigan 49504**

| | |
|---|---|
| **MEMBERS PRESENT:** | Commissioners Vonk, Shroll, Bulkowski, Groenleer, VanderMolen, Byl |
| **ABSENT:** | Commissioners Rolls |
| **OTHERS PRESENT:** | Douglas G. Wood, Director; Dennis Kmiecik, Solid Waste Division Director; Ron Landis, Director of Engineering; Dan Kendall, Finance Division Director; Elissa Soto, Office Manager; Molly Sherwood, Environmental Compliance Manager; Chris Robinson, WTE Operations Manager; Cal Brinks, Purchasing Division; Linda Howell, Assistant Corporate Counsel; |

**I. Call to Order**

The meeting was called to order at 8:00 a.m.

**II. Public Comment**

None

**III. Review and Approval of Minutes**

**MOTION**

It was moved by Commissioner VanderMolen and supported by Commissioner Byl to approve the minutes from the August 1, 2013 meeting.

Motion carried unanimously.

**IV. Administration**

A. Flu Shots

Staff requested and approval for the Department to cover flu shot fees. Staff recommends authorization that the payment of any fees for flu shot or mist be paid by the Department. Staff believes offering the no fee opportunity for flu shots/mist to DPW employees' assists in reduction of absences due to illness and, in the long term, results in a cost savings. This has been done the past several years. There is no cost to employees for the flu shot. If employees opt to use the mist instead of the shot, the cost is $5. The vaccine will be offered at the DPW Scribner Office on October 14, 2013

from 8:30-9:00 a.m.

In the past flu shots were administered through the Road Commission, but they will not be hosting it this year. The only option for staff this year is through the County's KEEPS program. Department staff will look into possibly hosting its own flu shots through the Health Department next year in order to offer more convenient locations for employees

**MOTION**

It was moved by Commissioner Groenleer and supported by Commissioner Byl to authorize the Department to cover the cost of any fee for each Department employee that has a flu shot.

Motion carried unanimously.

## V. Solid Waste Operations

A. 2014 Disposal Rates

Approval was requested approval of the 2014 Waste Description and Rates schedule for the North Kent Transfer Station and the South Kent Landfill. The rate schedule proposes a $1.60 per ton increase to the general commercial refuse disposal fees for 2014. No other rate increases are proposed for any of the waste descriptions. Board members received a copy of the proposed Waste Description and Rates schedule and the refuse disposal rate history.

Commissioner Shroll wondered why there was an increase this year. Staff stated that the rates have not increased in the last four years. Mr. Kmiecik added that the increase in the maintenance and fuel costs requires that prices be increased in order to cover expenses.

Commissioner Bulkowski wondered if the increase would affect the tonnage at the landfill. Staff responded that the increase affects the commercial end of the business and doubts that it will make any difference.

**MOTION**

It was moved by Commissioner VanderMolen and seconded by Commissioner Byl to approve the 2014 "Waste Description and Rates" schedule for the North Kent Transfer Station and the South Kent Landfill.

Motion carried unanimously.

B. South Kent Landfill

1. Bouwman Land Purchase

Staff requested the review and approval of the purchase of 1384 108th Street SW, Dorr Michigan Property for future landfill expansion. Staff was contacted by the homeowner interested in selling their home on the south side of 108th Street in Dorr Township, Allegan County. The property would be in the north end of the anticipated area of the landfill expansion.

Staff requested an appraisal by Jakems Appraisal Company that has indicated the fair market value is $193,600. The owners have accepted the appraised value for the property consisting of 5 acres, a home, and a pole building. The owners are in the process of locating a replacement home. Closing will be arranged this year and possession of the home will be no later than July 1, 2014. The sellers will occupy the residence rent free for a period (closing date to

December 31, 2013). Beginning January 1, 2014 the sellers will pay rent of $750 per month until the property is vacated.

**MOTION**

It was moved by Commissioner Byl and seconded by Commissioner Shroll to approve the purchase of property located at 1384 108th Street SW, Dorr, Michigan 49323 (PP# 03-05-001-016-10) for $193,600; authorize the Director to execute the Real Estate Purchase Agreement; and authorize the Director to negotiate a closing date based on the sellers' success in obtaining a replacement property.

Motion carried unanimously.

C. Material Recycling Facility

1. Goodwill of GR Contract Amendment.

Staff requested approval to amend the existing Goodwill contract to include coverage for additional night shift work. Due to the increase in recyclables received at the Kent County Recycling & Education Center staff has added four additional night shifts. An extra shift will be added Monday through Thursday from 5:30 pm to 9:30 pm utilizing the Goodwill Transitional Work Employer (TWE) program. Goodwill will staff approximately 30 sorters utilizing personnel from the Kent County Sheriff Re-entry Program.

Commissioner Byl asked whether there are still court assigned workers at the MRF. Mr. Kmiecik stated that the courts make referrals to the MRF, but the number of individuals that show up fluctuates from day to day.

Mr. Kmiecik stated that he has tested the evening shift for about a month and it has worked very well. The temporary Saturday shift has been eliminated. It is possible that a part-time maintenance position will need to be added. Commissioner Groenleer stated that having adequate staff at the facility is very important.

**MOTION**

It was moved by Commissioner Byl and seconded by Commissioner Shroll to amend the existing Goodwill Contract to include coverage for an additional night shift.

Motion carried unanimously.

VI. Waste-to-Energy

A. 2014 Disposal Rates

Approval of the Waste-to-Energy Facility 2014 General Refuse and Special Waste Disposal was requested. The 2014 WTE Rate Study was approved by the Advisory Committee at their April 10, 2013 meeting and by this Board at its June 6, 2013 meeting. The Rate Study included a General Refuse disposal fee of $45.00 per ton that is unchanged from the 2013 Rate. No adjustments are necessary and staff is requesting that the Board approve a 2014 WTE General Refuse Disposal Rate of $45.00 per ton.

Staff is also requesting approval of a Special Waste Rate consisting of a minimum fee of $67.50 for up to the first 2,000 pounds of material and prorated at $67.50 per ton for any additional material. The Special Waste Rate recovers the additional handling cost for records and special loads disposed of off the tipping floor and/or medical records, evidence, controlled substances, stamps, pharmaceuticals and related materials taken up the elevator and disposed of directly in a unit feed chute.

**MOTION**

It was moved by Commissioner Byl and supported by Commissioner Shroll to approve a 2014 Waste-to-Energy General Refuse Disposal Rate of $45.00 per ton and a minimum Special Waste Disposal Rate of $67.50 per ton effective January 1, 2014.

Motion carried unanimously.

## VII. Approval of Monetary Outlays

**MOTION**

It was moved by Commissioner Byl and supported by Commissioner Vander Molen to approve the monetary outlays for the month of October 2013.

Motion carried unanimously.

## VIII. Director's Report

A. MRF Updates

The MRF has been performing well. Staff would like to add an evening shift in order to keep up with the materials received at the facility. Additional Transitional Work Employees will be filling these evening shifts. Staff has tested this shift for about a month and it has worked well.

B. Landfill Cell Construction Update

Ron Landis gave a presentation on the progress of the line for Cell 35. She showed Board members a PowerPoint presentation with photos of various steps of its progress. Board members were impressed by the presentation and the liner's progress. Commissioner VanderMolen suggested that in the future liner project be recorded for educational purposes.

C. Tana Compactor Report

Mr. Landis gave Board members an update on the Tana Compactor that was purchased. He reported that landfill staff is very pleased with the machine and how well it performs. He also reported that staff is concerned with the service provided by RPM, the company currently assigned to provide service with maintenance issues. Staff, with the assistance of Humdinger, will be looking to possibly changing service providers.

D. Rockford Construction/EcorUSA

Director Wood met with directors at Rockford construction to discuss ideas concerning cellulosic waste products, like paper or wood, and using those to create a product that can be use to make furniture. Staff is discussing a possible partnership with Rockford Construction. Staff will keep the Board updated on the progress.

Commissioner Bulkowski wondered if Rockford would be purchasing the material from the MRF. Mr. Wood stated that this is a possibility, but this is still being discussed.

E. PA 185 Amendment

This amendment ties in renewable energy and biomass into the Act. It allows the Department to take part in projects involve renewable energy. The concept of having it introduced in the House was discussed with State Rep. Rob VerHeulen.

F. MDEQ Recycling Initiative

Director Wood has been invited to participate on a committee established by Governor Snyder to develop a Recycling Initiative in West Michigan. The initiative seeks to increase recycling throughout West Michigan. Director Wood will keep the Board updated on the progress of this committee.

G. Kentwood Landfill Update

Molly Sherwood, Environmental Compliance Manager reported that she is working with the EPA and the MDEQ to cease the operations of the pre-treatment plant at the Kentwood landfill. Ground water is currently extracted and pumped out of the site and into a pre-treatment plant to reduce the amount of contamination before it is sent to Wyoming's clean water plant. Through regular testing of that water, staff has found that the water coming out of the landfill meets the discharge permit requirements for the City of Wyoming. The treatment at the pre-treatment plant is not necessary and the water can be discharged directly. The City of Wyoming has agreed to accept the water without further treatment. Contingencies have to be put into place in order to do this and staff is in the process of setting these up. Staff hopes to be able to shut down the plan by the end of the year.

Commissioner VanderMolen asked about the estimated savings of shutting down the plant. Ms. Sherwood stated that most of the savings will come the reduction of electricity used and estimated them to be about thirty thousand dollars.

H. Solid Waste Plan

The Advisory Committee has resumed meeting. The Amendment was approved in June 2013, but staff was not notified. The Committee is now reviewing a draft of the solid waste ordinance.

I. November Board Meeting

The Board of Commissioners' meeting conflicts with the BPW meeting. It was decided to meet on November 5, 2013 at 9:30 a.m., after the Finance Committee meeting.

**IX. Miscellaneous**

A. Kristen Wieland, Resource Recovery and Recycling Manager gave birth to twin boys.

**X. Adjournment**

The meeting was adjourned at 9:10 a.m.

MEETING DATE: **November 5, 2013**

AGENDA ITEM#: V – A

**BOARD OF PUBLIC WORKS ACTION REQUEST**

SUBJECT: Soil Boring/Testing Contract

DIVISION: Solid Waste Operations

PREPARED BY: Ron Landis

**ACTION REQUESTED:**

Review and approval of contract to complete soil borings, sampling and testing for the design of the MSE wall.

**SUMMARY OF REQUEST:**

To assist in the design of the Mechanically Stabilized Earth (MSE) wall for the proposed expansion of the existing ash monofill, staff prepared a request for proposals for the sampling and testing of onsite soil material. The purpose of this investigation is to determine if the soil material located on site is acceptable to use in the construction of the MSE wall. The work will involve boring, sampling and testing at approximately 18 locations in the ash area and three or four test pits. Seven proposals were received. Staff is recommending the award of the contract to Soils & Structures, Inc., low bidder, in the amount of $20,727. Below is a summary of the bid results:

| Contractor | Amount |
|---|---|
| **Soils & Structures, Inc.** | **$20,727.00** |
| Environmental Drilling & Contracting | $21,880.00 |
| DLZ Michigan, Inc. | $22,412.00 |
| Stearns Drilling | $25,236.00 |
| Enviro Slutions, Inc. | $26,071.76 |
| Materials Testing | $27,794.00 |
| Conestoga Rovers & Associates, Inc. | $30,654.40 |

**SUGGESTED MOTION:**

It was moved by_____ and seconded by_____ to award the soil boring and testing contract to Soils & Structures, Inc. in the amount of $20,727.

**ATTACHMENTS:**

Bid tabulation

**GOVERNING/ADVISORY BOARD APPROVAL DATE:** November 5, 2013

**DEPARTMENT DIRECTOR:** Douglas A. Wood

RFQ 1260 - Soil Boring - South Kent Landfill
10/30/2013 10:00am

| Vendor | Description | Item | Quantity | Unit | Total | Unit Cost | Total |
|---|---|---|---|---|---|---|---|
| Soils & Structures, Inc. | | | | | | | |
| | Soil Borings | | | | | | |
| | Borings | 18 | 30 | feet | 540 | $13.50 | $7,290.00 |
| | SPT Testing/Sampling | 18 | 9 | each | 162 | $12.00 | $1,944.00 |
| | Shelby Tubes | 18 | 2 | each | 36 | $60.00 | $2,160.00 |
| | Mobilization/Demo | | 1 | each | 1 | $450.00 | $450.00 |
| | | | | | | Total | $11,844.00 |
| | Lab Testing | | | | | | |
| | Moisture Contents | 18 | 9 | each | 162 | $8.50 | $1,377.00 |
| | Hand Penetrometer Tests | 18 | 9 | each | 162 | $3.00 | $486.00 |
| | Unconfined Compression Tests | 18 | 1 | each | 18 | $50.00 | $900.00 |
| | Atterberg Limits | | 8 | each | 8 | $150.00 | $1,200.00 |
| | Grain Size Analysis by Hydrometer | | 8 | each | 8 | $110.00 | $880.00 |
| | | | | | | Total | $4,843.00 |
| | Bulk Soil Samples | | | | | | |
| | Modified Proctor | 4 | 1 | each | 4 | $200.00 | $800.00 |
| | Unconfined Compression Tests on Recompacted Clay Samples | 4 | 1 | each | 4 | $100.00 | $400.00 |
| | Grain Size Analysis by Hydrometer | 4 | 2 | each | 4 | $110.00 | $440.00 |
| | Grain Size Analysis by Sieve | 4 | 2 | each | 4 | $100.00 | $400.00 |
| | Direct Shear Tests on Recompacted Samples | 4 | 1 | each | 4 | $500.00 | $2,000.00 |
| | | | | | | Total | $4,040.00 |
| | | | | | | Grand Total | $20,727.00 |
| Environmental Drilling & Contracting | | | | | | | |
| | Soil Borings | | | | | | |
| | Borings | 18 | 30 | feet | 540 | $15.00 | $8,100.00 |
| | SPT Testing/Sampling | 18 | 9 | each | 162 | $13.00 | $2,106.00 |
| | Shelby Tubes | 18 | 2 | each | 36 | $50.00 | $1,800.00 |
| | Mobilization/Demo | | 1 | each | 1 | | $500.00 |
| | | | | | | Total | $12,506.00 |
| | Lab Testing | | | | | | |
| | Moisture Contents | 18 | 9 | each | 162 | $15.00 | $2,430.00 |
| | Hand Penetrometer Tests | 18 | 9 | each | 162 | $2.00 | $324.00 |
| | Unconfined Compression Tests | 18 | 1 | each | 18 | $50.00 | $900.00 |
| | Atterberg Limits | | 8 | each | 8 | $90.00 | $720.00 |
| | Grain Size Analysis by Hydrometer | | 8 | each | 8 | $170.00 | $1,360.00 |
| | | | | | | Total | $5,734.00 |
| | Bulk Soil Samples | | | | | | |
| | Modified Proctor | 4 | 1 | each | 4 | $150.00 | $600.00 |
| | Unconfined Compression Tests on Recompacted Clay Samples | 4 | 1 | each | 4 | $50.00 | $200.00 |
| | Grain Size Analysis by Hydrometer | 4 | 2 | each | 4 | $170.00 | $680.00 |
| | Grain Size Analysis by Sieve | 4 | 2 | each | 4 | $90.00 | $360.00 |
| | Direct Shear Tests on Recompacted Samples | 4 | 1 | each | 4 | $450.00 | $180.00 |
| | | | | | | Total | $3,640.00 |
| | | | | | | Grand Total | $21,880.00 |
| DLZ Michigan, Inc. | | | | | | | |
| | Soil Borings | | | | | | |
| | Borings | 18 | 30 | feet | 540 | $12.00 | $6,480.00 |
| | SPT Testing/Sampling | 18 | 9 | each | 162 | $9.00 | $1,458.00 |
| | Shelby Tubes | 18 | 2 | each | 36 | $100.00 | $3,600.00 |
| | Mobilization/Demo | | 1 | each | 1 | $1,000.00 | $1,000.00 |

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|---|---|---|---|---|---|---|---|
| | | | | | | Total | $12,538.00 |
| | Lab Testing | | | | | | |
| | Moisture Contents | 18 | 9 | each | 162 | $6.00 | $972.00 |
| | Hand Penetrometer Tests | 18 | 9 | each | 162 | $6.00 | $972.00 |
| | Unconfined Compression Tests | 18 | 1 | each | 18 | $105.00 | $1,890.00 |
| | Atterberg Limits | | 8 | each | 8 | $50.00 | $400.00 |
| | Grain Size Analysis by Hydrometer | | 8 | each | 8 | $75.00 | $600.00 |
| | | | | | | Total | $4,834.00 |
| | Bulk Soil Samples | | | | | | |
| | Modified Proctor | 4 | 1 | each | 4 | $160.00 | $640.00 |
| | Unconfined Compression Tests on Recompacted Clay Samples | 4 | 1 | each | 4 | $150.00 | $600.00 |
| | Grain Size Analysis by Hydrometer | 4 | 2 | each | 4 | $75.00 | $300.00 |
| | Grain Size Analysis by Sieve | 4 | 2 | each | 4 | $75.00 | $300.00 |
| | Direct Shear Tests on Recompacted Samples | 4 | 1 | each | 4 | $800.00 | $3,200.00 |
| | | | | | | Total | $5,040.00 |
| | | | | | | Grand Total | $22,412.00 |
| Stearns Drilling | | | | | | | |
| | Soil Borings | | | | | | |
| | Borings | 18 | 30 | feet | 540 | $17.00 | $9,180.00 |
| | SPT Testing/Sampling | 18 | 9 | each | 162 | $12.00 | $1,944.00 |
| | Shelby Tubes | 18 | 2 | each | 36 | $50.00 | $1,800.00 |
| | Mobilization/Demo | | 1 | each | 1 | $260.00 | $260.00 |
| | | | | | | Total | $13,184.00 |
| | Lab Testing | | | | | | |
| | Moisture Contents | 18 | 9 | each | 162 | $12.00 | $1,944.00 |
| | Hand Penetrometer Tests | 18 | 9 | each | 162 | $12.00 | $1,944.00 |
| | Unconfined Compression Tests | 18 | 1 | each | 18 | $58.00 | $1,044.00 |
| | Atterberg Limits | | 8 | each | 8 | $92.00 | $736.00 |
| | Grain Size Analysis by Hydrometer | | 8 | each | 8 | $225.00 | $1,800.00 |
| | | | | | | Total | $7,468.00 |
| | Bulk Soil Samples | | | | | | |
| | Modified Proctor | 4 | 1 | each | 4 | $173.00 | $692.00 |
| | Unconfined Compression Tests on Recompacted Clay Samples | 4 | 1 | each | 4 | $115.00 | $460.00 |
| | Grain Size Analysis by Hydrometer | 4 | 2 | each | 4 | $225.00 | $900.00 |
| | Grain Size Analysis by Sieve | 4 | 2 | each | 4 | $115.00 | $460.00 |
| | Direct Shear Tests on Recompacted Samples | 4 | 1 | each | 4 | $518.00 | $2,072.00 |
| | | | | | | Total | $4,584.00 |
| | | | | | | Grand Total | $25,236.00 |
| EnviroSolutions, Inc. | | | | | | | |
| | Soil Borings | | | | | | |
| | Borings | 18 | 30 | feet | 540 | $11.89 | $6,420.60 |
| | SPT Testing/Sampling | 18 | 9 | each | 162 | $10.00 | $1,620.00 |
| | Shelby Tubes | 18 | 2 | each | 36 | $60.00 | $2,160.00 |
| | Mobilization/Demo | | 1 | each | 1 | $6,630.06 | $6,630.06 |
| | | | | | | Total | $16,830.66 |
| | Lab Testing | | | | | | |
| | Moisture Contents | 18 | 9 | each | 162 | $9.35 | $1,514.70 |
| | Hand Penetrometer Tests | 18 | 9 | each | 162 | $2.20 | $356.40 |
| | Unconfined Compression Tests | 18 | 1 | each | 18 | $55.00 | $990.00 |
| | Atterberg Limits | | 8 | each | 8 | $137.50 | $110.00 |
| | Grain Size Analysis by Hydrometer | | 8 | each | 8 | $110.00 | $880.00 |

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RFQ 1260 - Soil Boring - South Kent Landfill
10/30/2013 10:00am

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | Total | $4,841.10 |
| | | | | | | | |
| | Bulk Soil Samples | | | | | | |
| | Modified Proctor | 4 | 1 | each | 4 | $220.00 | $880.00 |
| | Unconfined Compression Tests on Recompacted Clay Samples | 4 | 1 | each | 4 | $110.00 | $440.00 |
| | Grain Size Analysis by Hydrometer | 4 | 2 | each | 4 | $110.00 | $440.00 |
| | Grain Size Analysis by Sieve | 4 | 2 | each | 4 | $110.00 | $440.00 |
| | Direct Shear Tests on Recompacted Samples | 4 | 1 | each | 4 | $550.00 | $2,200.00 |
| | | | | | | Total | $4,400.00 |
| | | | | | | Grand Total | $26,071.76 |
| | | | | | | | |
| Materials Testing | | | | | | | |
| | Soil Borings | | | | | | |
| | Borings | 18 | 30 | feet | 540 | $20.25 | $10,935.00 |
| | SPT Testing/Sampling | 18 | 9 | each | 162 | $20.00 | $3,240.00 |
| | Shelby Tubes | 18 | 2 | each | 36 | $60.00 | $2,160.00 |
| | Mobilization/Demo | | 1 | each | 1 | $2,155.00 | $2,155.00 |
| | | | | | | Total | $18,490.00 |
| | | | | | | | |
| | Lab Testing | | | | | | |
| | Moisture Contents | 18 | 9 | each | 162 | $5.00 | $810.00 |
| | Hand Penetrometer Tests | 18 | 9 | each | 162 | $2.00 | $324.00 |
| | Unconfined Compression Tests | 18 | 1 | each | 18 | $65.00 | $1,170.00 |
| | Atterberg Limits | | 8 | each | 8 | $90.00 | $720.00 |
| | Grain Size Analysis by Hydrometer | | 8 | each | 8 | $180.00 | $1,440.00 |
| | | | | | | Total | $4,464.00 |
| | | | | | | | |
| | Bulk Soil Samples | | | | | | |
| | Modified Proctor | 4 | 1 | each | 4 | $170.00 | $680.00 |
| | Unconfined Compression Tests on Recompacted Clay Samples | 4 | 1 | each | 4 | $140.00 | $560.00 |
| | Grain Size Analysis by Hydrometer | 4 | 2 | each | 4 | $180.00 | $720.00 |
| | Grain Size Analysis by Sieve | 4 | 2 | each | 4 | $120.00 | $480.00 |
| | Direct Shear Tests on Recompacted Samples | 4 | 1 | each | 4 | $600.00 | $2,400.00 |
| | | | | | | Total | $4,840.00 |
| | | | | | | Grand Total | $27,794.00 |
| | | | | | | | |
| Conestoga-Rovers and Associates, Inc. | | | | | | | |
| | Soil Borings | | | | | | |
| | Borings | 18 | 30 | feet | 540 | $28.50 | $15,390.00 |
| | SPT Testing/Sampling | 18 | 9 | each | 162 | $13.20 | $2,138.40 |
| | Shelby Tubes | 18 | 2 | each | 36 | $55.00 | $1,980.00 |
| | Mobilization/Demo | | 1 | each | 1 | $2,870.00 | $2,870.00 |
| | | | | | | Total | $22,378.40 |
| | | | | | | | |
| | Lab Testing | | | | | | |
| | Moisture Contents | 18 | 9 | each | 162 | $4.00 | $648.00 |
| | Hand Penetrometer Tests | 18 | 9 | each | 162 | $4.00 | $648.00 |
| | Unconfined Compression Tests | 18 | 1 | each | 18 | $90.00 | $1,620.00 |
| | Atterberg Limits | | 8 | each | 8 | $75.00 | $600.00 |
| | Grain Size Analysis by Hydrometer | | 8 | each | 8 | $130.00 | $1,040.00 |
| | | | | | | Total | $4,556.00 |
| | | | | | | | |
| | Bulk Soil Samples | | | | | | |
| | Modified Proctor | 4 | 1 | each | 4 | $150.00 | $600.00 |
| | Unconfined Compression Tests on Recompacted Clay Samples | 4 | 1 | each | 4 | $120.00 | $480.00 |
| | Grain Size Analysis by Hydrometer | 4 | 2 | each | 4 | $80.00 | $320.00 |
| | Grain Size Analysis by Sieve | 4 | 2 | each | 4 | $80.00 | $320.00 |

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|---|---|---|---|---|---|---|---|
| | Direct Shear Tests on Recompacted Samples | 4 | 1 | each | 4 | $500.00 | $2,000.00 |
| | | | | | | Total | $3,720.00 |
| | | | | | | Grand Total | $30,654.40 |

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MEETING DATE: **November 5, 2013**

AGENDA ITEM#: VI – A

**BOARD OF PUBLIC WORKS ACTION REQUEST**

SUBJECT: SWANA Senior Executive Seminar

DIVISION: Administration

PREPARED BY: Elissa Soto

**ACTION REQUESTED:**

Review and approval for Director Wood to attend SWANA's 18th Annual Senior Executive Seminar in Key West, Florida from January 29-30, 2014.

**SUMMARY OF REQUEST:**

SWANA's Senior Executive Seminar (by invitation) brings together executive-level directors and managers of major public sector solid waste agencies throughout North America along with their counterparts from the private sector. The seminar features presentations and panel discussions dealing with today's most important issues, breakout sessions where participants come together to brainstorm practical solutions to the most pressing questions regarding solid waste management.

**SUGGESTED MOTION:**

It was moved by_____ and seconded by_____ to approve the travel request for Director Douglas G. Wood and any commissioner to attend SWANA's 18th Annual Senior Executive Seminar in Key West, Florida from January 29-30, 2014, at an estimated cost of $2095.

**ATTACHMENTS:**

Travel Request
Seminar Agenda and Program

**GOVERNING/ADVISORY BOARD APPROVAL DATE:** November 5, 2013

**DEPARTMENT DIRECTOR:** Douglas G. Wood

COUNTY OF KENT
DEPARTMENT OF PUBLIC WORKS
CONFERENCE TRAVEL REQUEST

**Employee Name:** Douglas Wood **Date:** 10/31/2013

**Name of Conference:** SWANA Senior Executive Seminar

**Conference Location:** Key West, Florida

**Conference Date(s):** from 1/29/2014 to 1/30/2014

**Departure Date:** 1/28/2014 **Return Date:** 1/31/2014

| | **Requested** | **Actual** |
|---|---|---|
| **Transportation (tax exempt)** | $500.00 | $_____ |
| ☒Plane ☐Own Car ☐County Car | | |
| Housing Cost | $500.00 | $_____ |
| Meals | $150.00 | $_____ |
| Registration | $795.00 | $_____ |
| Taxi/Bus/Shuttle/Car Rental | $150.00 | $_____ |
| Miscellaneous (tips, tolls, parking, etc.) | $_____ | $_____ |
| Total Expense | $2095.00 | $_____ |
| Less Prepaid Expense(s) | $_____ | $_____ |
| Total Reimbursement | $_____ | $_____ |

Account Distribution: 861 517 443

# 18th Annual Senior Executive Seminar

**Preliminary Agenda**

**Wednesday, January 29, 2014**

| | |
|---|---|
| 11:00 a.m. – 5:00 p.m. | Registration |
| 11:30 a.m. – 12:30 p.m. | Lunch |
| 1:00 p.m. – 2:30 p.m. | Welcome, Introductions, and Challenges |
| 2:30 p.m. – 3:30 p.m. | State of the Solid Waste Industry<br>Michael Hoffman, Director of Research at Wunderlich Securities |
| 3:30 p.m. – 3:45 p.m. | Break |
| 3:45 p.m. – 5:15 p.m. | Session 1: Envisioning the Solid Waste Manager Role in a Future Focused on "Sustainability" |
| 5:15 p.m. – 6:00 p.m. | Planning and Management Technical Division Meeting |
| 6:00 p.m. – 7:00 p.m. | Reception |
| 7:00 p.m. – | Key West Dine-Around |

**Thursday, January 30, 2014**

| | |
|---|---|
| 8:30 a.m. – 9:30 a.m. | Session 2: Driving Strategic Change |
| 9:30 a.m. – 11:30 a.m. | Breakout Sessions |
| 11:30 a.m. – 12:30 p.m. | Breakout Session Reports |
| 12:30 p.m. – 1:30 p.m. | Lunch – The Key West Story<br>Mitch Kessler, Kessler Consulting<br>Jay Gewin, City of Key West |
| 1:30 p.m. – 2:30 p.m. | Session 3: Are We Moving Back to One Bin? |
| 2:30 p.m. – 3:00 p.m. | Break |
| 3:00 p.m. – 3:45 p.m. | Session 4: Litigation/Legislation Update |
| 3:45 p.m. – 4:45 p.m. | Session 5: Creating a New Business Model for Regional Solid Waste Services |
| 4:30 p.m. – 5:00 p.m. | Summary and Closing Remarks |

## Senior Executive Seminar

- Home
- Seminar Program
- Proceedings

## Hotel Info

DoubleTree Hotel by Hilton – Grand Key Resort
3990 S. Roosevelt Blvd., Key West, FL 33040

Room Rates: $209
Single/Double/Triple/Quad

Contact VIP Reservations at:
Domestic: (800) 926-3976
International: (310) 459-0600
reservations@vipmeetings.com

To reserve a room online, click here.

Special rate expires December 1, 2013

Muskegon, Michigan Loc | Novara Randonee Bike - 2 | Senior Executive Seminar | Kent County Credit Union

https://swana.org/Events/SeniorExecutiveSeminar.aspx

Customize Links | Reference, Facts, Ne... | New Tab | History | Other bookmarks

# Senior Executive Seminar

Events | Membership | Awards | Education | Certification | Research | Advocacy | Exhibit | News | Products | Resources

## Save The Date: 2014 Senior Executive Seminar

Make plans to attend SWANA's 18th Annual Senior Executive Seminar, to be held January 29-30, 2014, at the Doubletree Hotel by Hilton – Grand Key Resort in Key West, Florida.

Your official invitation that features program details and registration will be coming soon.

SWANA's Senior Executive Seminar brings together executive-level directors and managers of major public sector solid waste agencies throughout North America along with their counterparts from the private sector.

The purpose of this seminar is to provide a "think tank" atmosphere for solid waste leaders. The program features presentations and panel discussions dealing with today's most important issues, brainstorming sessions to develop practical solutions to the most pressing questions regarding solid waste management and informal networking opportunities, including a Wednesday night reception.

**Save The Date: 2014 Senior Executive Seminar: January 29-30, 2014**

If you are a senior level staff person in a public sector solid waste agency, look for your exclusive invitation coming soon.

If you have any questions in the meantime, please contact dcpd@swana.org.

## Senior Executive Seminar

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To reserve a room online, click here.

Special rate expires December 1, 2013

# Kent County

# Solid Waste Management Ordinance

**Ordinance No. _____**

## Preamble

An Ordinance to implement portions of the Kent County Solid Waste Management Plan, as amended and as adopted pursuant to Part 115 (Solid Waste Management) of Michigan's Natural Resources and Environmental Protection Act, Public Act 451 of 1994; to protect and promote the public health, safety and welfare of Kent County residents by regulating the collection, transportation and disposal of solid waste and the proper management of previously closed landfills; to establish conditions for solid waste hauler licenses; to provide an incentive to recycle, thereby reducing the volume of waste; to preserve and improve the environment; and to establish a County-wide regulatory surcharge to fund the cost of implementing portions of the County's solid waste management program, specifically, the cost of maintaining, managing and remediating closed county landfills and operating the County's household hazardous waste program. This Ordinance is intended to be consistent with the Michigan Court of Appeals decision *County of Saginaw v. John Sexton Corporation of Michigan,* 232 Mich. App. 202 (1998).

## Article 1. Short Title

This Ordinance shall be known, and may be cited, as the "Kent County Solid Waste Management Ordinance." All Articles, Sections, and other topical headings are for reference only and shall not be construed to be part of this Ordinance.

## Article 2. Authority

### 2.1 Authority

The Kent County Solid Waste Management Ordinance is adopted under the authority of M.C.L. § 46.11 (County Boards of Commissioners) and M.C.L. § 324.11501 *et seq.* (Solid Waste Management), including, but not limited to, M.C.L. § 324.11520.

### 2.2 Purpose

Michigan's solid waste law, Part 115 of the Natural Resources and Environmental Protection Act, contemplates and requires local regulation of Solid Waste disposal through the implementation of County Solid Waste Management Plans. The purpose of this Ordinance is to implement portions of the County's approved Solid Waste Management Plan and to otherwise exercise the police power of the County in order to: protect and promote the public health, safety

and welfare of Kent County residents by regulating the licensing, collection, transportation and disposal of Solid Waste; provide for regulatory surcharges to cover the cost of properly managing closed landfills and operating the County's household hazardous waste program; promote the County's recycling program in order to reduce the volume of waste sent to landfills; and, overall, to preserve and improve the environment through proper waste and landfill management.

## Article 3. Definitions

The following definitions shall apply in the interpretation and enforcement of this Ordinance:

**3.1 Commercial** refers to any property use that is not Residential, and includes, but is not limited to, industrial, retail, business, and government facilities. Hospitals, hotels, and campgrounds are also Commercial facilities. Apartments, condominiums and similar multi-unit properties may be either Residential or Commercial, for purposes of this Ordinance, as set forth in the definition of Residential.

**3.2 County Enforcing Agency** means the County Department of Public Works, which is responsible for administering and enforcing this Ordinance within the County's political boundaries.

**3.3 Licensed Hauler** means a Person licensed pursuant to this Ordinance to haul Solid Waste.

**3.4 Notice of Violation** means a written notice to a Person that is in violation or is suspected to be in violation of this Ordinance. The Notice of Violation shall contain a description of the violation, what must be done to remedy the violation, and the time frame in which such corrective measures must be taken.

**3.5 Person** means an individual; sole proprietorship; partnership; association; business; company; limited liability company; corporation, public or private; or municipality, including a city, township, village or county.

**3.6 Recycled Material shall have the meaning as defined in Part 115 (Solid Waste Management) of the Michigan Natural Resources and Environmental Protection Act, M.C.L. 324.11501 *et seq.***

~~3.6~~3.7 **Residential** or **Residence** refers to a place or dwelling where people live, eat, and sleep for extended periods of time, such as a single family home. For purposes of this Ordinance, an apartment complex, condominium project, dormitory, nursing home, assisted living center, or similar multi-unit property is considered a collection of separate Residences, based on the number of units, if waste is managed in separate cans, bags, bins or carts used by each dwelling unit individually; or is considered as one Commercial property if the waste is managed in roll-offs, dumpsters or other large containers that are shared by multiple residents.

~~3.7~~3.8 **Solid Waste** shall have the meaning as defined in Part 115 (Solid Waste Management) of the Michigan Natural Resources and Environmental Protection Act, M.C.L. 324.11501 *et seq.*

## Article 4. Administration

### 4.1 County Enforcing Agency

The County Department of Public Works is the County Enforcing Agency responsible for administering and enforcing this Ordinance within the County's political boundaries.

### 4.2 Relief from Personal Responsibility

The County Enforcing Agency, or any County employee or officer charged with duties and responsibilities pursuant to this Ordinance, while acting within the scope of their authority, are hereby relieved from all personal liability for damages to persons or property resulting from the exercise or discharge of their duties. Any civil or criminal action brought against an officer or employee of the County, while acting within the scope of authority granted under this Ordinance, may be defended by the legal representative of the County until final termination of proceedings. If a judgment for damages is awarded against the above mentioned officers or employees as a result of a civil action for personal injury or property damage caused while acting within the scope of the individual's employment or while acting within the scope of authority of this Ordinance, the County may pay, or compromise, the judgment.

### 4.3 Powers and Duties of the County Enforcing Agency

It shall be the responsibility of the County Enforcing Agency to implement and enforce the provisions of this Ordinance, and in doing so, to perform the following duties:

*4.3.1. Review Waste Hauler License Applications:* Applications for licenses required by this Ordinance shall be submitted to the County Enforcing Agency on the forms provided by the County Enforcing Agency and shall contain all required and/or necessary information to allow the County Enforcing Agency to evaluate the application. The County Enforcing Agency is not required to evaluate incomplete applications or applications submitted without the required or necessary information or supporting documentation.

*4.3.2. Issue Licenses:* The County Enforcing Agency shall issue licenses when applicable provisions of this Ordinance have been fulfilled.

*4.3.3. Maintain Records:* Records for and related to all active waste hauler licensees shall be available for public inspection during regular business hours. Upon written request, copies of documents may be furnished at cost to any Person consistent with the policy of the Board of Commissioners and the Freedom of Information Act, M.C.L. 15.231 *et seq.,* as amended.

*4.3.4. Enforcement:* The County Enforcing Agency shall enforce this Ordinance in accordance with Article 8.

*4.3.5. Official Copies:* The County Clerk's Office shall maintain one official copy of this Ordinance, which shall be available for public inspection during regular office hours.

*4.3.6. Inspections:* The County Enforcing Agency is empowered to conduct periodic inspections of property, vehicles, and records related to the transportation or disposal of Solid Waste in order to determine compliance with this Ordinance. Nothing in this Ordinance shall be interpreted to require the County Enforcing Agency to inspect property or vehicles for any other purpose.

## Article 5. Solid Waste Hauler Licenses

### 5.1 Solid Waste Hauler Licenses

Beginning on ~~_____~~January 1, ~~2014~~2015, all Persons regularly engaged in the business or service of collecting and transporting Solid Waste anywhere in Kent County, as described more particularly below, shall be licensed, and have an authorized identification placard or sticker affixed to any vehicle or trailer used for such purpose, in accordance with the terms of this Ordinance. The County shall only license waste haulers consistent with, and as authorized by, the Kent County Solid Waste Management Plan.

### 5.2 License Application

An application for a new or renewed Solid Waste hauler license shall include the applicant's name and mailing address, the location or locations from which the business or service is operated, proof of the insurance coverage required by this Ordinance, a general description of each vehicle or trailer that will be used to haul Solid Waste, a contact name and phone number, and any other information required by the County Enforcing Agency. The County Enforcing Agency shall make available a license application form for this purpose.

### 5.3 License Application Fee

Each application for a new or renewed Solid Waste hauler license shall be accompanied by a license application fee of $_____ plus $_____ per vehicle/trailer to be licensed.

### 5.4 License Term and Renewal

A license granted pursuant to this Ordinance shall be effective for a period of one year. If the Person desires to renew its license, the Person shall file an application for renewal with the County Enforcing Agency at least sixty days prior to expiration.

### 5.5 Suspension of License

The County Enforcing Agency may suspend or revoke a Person's license if the Person: did not provide complete or accurate information on the Person's license application; fails to implement corrective measures set forth in a Notice of Violation; fails to pay the regulatory surcharge in the amount and within the time period required by Article 7, or exhibits a continuing pattern of violations of this Ordinance.

**5.6 Exceptions to Licensing**

The following Persons are exempt from the licensing requirements of this Ordinance:

*5.6.1 Private Citizens:* An individual or private citizen transporting his or her own Solid Waste.

*5.6.2 Waste Collected Outside County:* A hauler that hauls Solid Waste to or through Kent County so long as the Solid Waste was generated and collected outside the County.

*5.6.3 Contractor Waste.* Solid Waste that is generated and hauled by a construction contractor or subcontractor from a job site.

***5.6.4 Multi-Use Municipal Vehicles.*** **Any city, county, township, or village vehicle or trailer that is used predominantly for activities other than Solid Waste or Recycled Material hauling, but that may be used, from time to time, to haul Solid Waste. A vehicle or trailer that is used predominantly to haul Solid Waste shall be licensed, even if it is sometimes used for other activities.**

**5.7 Transferability**

A waste hauler license issued pursuant to this Ordinance is not assignable or transferrable.

**5.8 Not Exclusive**

**The licensing requirement set forth in this Ordinance is not intended to exclude or preempt additional licensing or other requirements imposed by any city, village, township, or municipal authority.**

## Article 6. Solid Waste Hauler Requirements

**6.1 Vehicles**

The Solid Waste carrying portion of a vehicle used to transport Solid Waste shall be designed, maintained and operated to prevent the accidental discharge of its contents. Vehicles used to haul Solid Waste shall be cleaned at intervals frequent enough to maintain a sanitary condition, as free from disagreeable odor as possible, and so as not to cause a nuisance or attract vermin. The name of the company licensed pursuant to this Ordinance shall appear on the outside of every licensed vehicle.

### 6.2 Loading

Solid Waste shall be loaded into a vehicle in such a manner that minimizes the spilling of materials. Where accidental spillage does occur from the vehicle, the driver shall be responsible for assuring that the material is picked up as soon as possible and the area suitably cleaned.

### 6.3 Insurance

A Person that is licensed to haul Solid Waste pursuant to this Ordinance shall maintain at least the following types and amounts of insurance coverage, and shall maintain all other insurance policies required by state and federal law.

| | |
|---|---|
| Commercial General Liability: | $1,000,000 per occurrence/$2,000,000 aggregate |
| Motor Vehicle Liability: | Statutory No-Fault Coverage<br>$1,000,000 per occurrence combined single limit for bodily injury and property damage |
| Worker's Compensation: | Statutory |
| Employer's Liability: | $100,000 per occurrence |

The required policies shall be with companies licensed or approved to do business in the State of Michigan with ratings of B+ or better from A.M. Best Company.

## Article 7. Surcharge

### 7.1 Calculation of Surcharge

A surcharge is imposed on each Licensed Hauler as calculated in accordance with the formula set forth below and the attached Surcharge Schedule approved by the Kent County Board of Commissioners. The surcharge is based upon the number of Residences and the number and size of Commercial establishment ~~waste~~Solid Waste containers from which the Licensed Hauler removed waste at any time during a calendar quarter. **The amount of the surcharge owed to the County shall not be reduced if a customer of the Licensed Hauler is in arrears or has failed to make any payment to the Licensed Hauler, including any pass through charge to cover the cost of the surcharge.**

Surcharges for Commercial containers are calculated by size in order to encourage waste minimization and recycling. **A Commercial container does not include a container that contains Recycled Materials, including yard trimmings and yard wastes that will be composted.**

A Licensed Hauler shall calculate its surcharge payment pursuant to the following formula, beginning on the first day of the first full quarter of licensed activity:

| | | |
|---|---|---|
| Residential Component | = | Residential Charge multiplied by number of Residences serviced at any time during quarter |

solely for the purpose of meeting regulatory and financial assurance requirements for closed landfills, including regulations related to closure and post-closure care of the landfills; operating the County household hazardous waste program; and implementing and enforcing this Solid Waste Management Ordinance.

**7.7 Failure to Make Required Payments**

**A Licensed Hauler that fails to make payments required by this section is subject to enforcement pursuant to section 8 and possible suspension or revocation of the Hauler's License in accordance with subsection 5.5.**

## Article 8. Enforcement

### 8.1 Enforcement

This Ordinance shall be enforced by the County Enforcing Agency. The County Enforcing Agency may use any enforcement method or technique available under law and as set forth in this Ordinance, including, but are not limited to, the issuance of a Notice of Violation and/or issuance of a municipal civil infraction citation to any Person who violates this Ordinance. The County Enforcing Agency may take other legal action deemed appropriate against any Person that violates this Ordinance, including action to enforce payment of any surcharges due under this Ordinance. A violation of this Ordinance shall be a municipal civil infraction, as authorized under Chapter 87 of 1961 PA 236, as amended, and other applicable laws. Each day that a violation exists constitutes a separate infraction.

### 8.2 Fines, Penalties and Injunction

A Person who violates this Ordinance, any Notice of Violation, or cease and desist order issued under this Ordinance, is responsible for a municipal civil infraction and may be ordered to pay a civil fine of not less than $250.00, and not more than $2,500.00, plus all costs of enforcement, including court costs and attorney's fees, for each infraction. A default in payment of a civil fine or costs ordered under this section may be remedied by any means authorized under the Revised Judicature Act of 1961, M.C.L. 600.101 *et seq.* Notwithstanding the existence or pursuit of any other remedy, the County may maintain an action in a court of competent jurisdiction for monetary damages and may request an injunction or other relief against a Person to restrain or prevent violations of this Ordinance. Fines levied and paid pursuant to legal action undertaken by the County Enforcing Agency shall be deposited with the County and shall be used for enforcement of this Ordinance.

## Article 9. Severability

If any section, subsection, paragraph, sentence, clause, phrase or portion of this Ordinance is, for any reason, held invalid or unconstitutional by any Court of competent jurisdiction, such portion shall be deemed a separate, distinct and independent provision and such holding shall not affect the validity of the remaining portions of this Ordinance.

| | | |
|---|---|---|
| Commercial Component | = | Sum of all Commercial containers multiplied by respective per container charge |
| Surcharge | = | Residential Component + Commercial Component |

**7.2 Payment Schedule**

The surcharge is payable on a quarterly basis in accordance with the following schedule:

| Quarter: | Payment Due by Following: |
|---|---|
| January – March | April 30 |
| April – June | July 31 |
| July – September | October 31 |
| October – December | January 31 |

**7.3 Records**

A Licensed Hauler shall keep records of the number of Residences and Commercial containers serviced by quarter and allow the County Enforcing Agency to inspect and audit such records upon request.

**7.4 Adjustment of Surcharge**

The surcharges required by this Article are intended to approximate the cost of implementing certain portions of the County's Solid Waste Management Plan, specifically: meeting regulatory and financial assurance requirements for closed landfills, including regulations related to closure and post-closure care of the landfills; operating the County household hazardous waste program; and implementing and enforcing this Solid Waste Management Ordinance. At least once every two years, the Solid Waste **Management** Planning Committee shall review the costs associated with these programs and recommend adjustments to the County Enforcing Agency in order to approximate the costs listed above. Any increases to the surcharges required by this Article shall be approved by the Kent County Board of Commissioners, and shall not take effect until at least 90 days after such approval.

**7.5 Payment**

A Licensed Hauler shall pay the surcharge due under this Article by check or money order or other means approved by the County Enforcing Agency.

**7.6 Deposit and Use**

The County shall deposit all fees and surcharges received into the Landfill Legacy Costs/HHW Fund, which has been specially created for this purpose. Money from this fund shall be used

# Licensed Hauler Surcharge Schedule

**Effective _____ to _____**

**Residential Charge:**

~~40 cents~~$1.20 **per residence** from which Solid Waste was hauled at any time during the quarter for which the surcharge is being calculated.

**Commercial Charge:**

| ~~Container size (in yards)~~ | | ~~Commercial Charge Per~~ |
|---|---|---|
| ~~Equal to or Greater than:~~ | ~~But less than:~~ | ~~[Fill in $ amounts below]~~ |
| ~~0~~ | ~~2~~ | |
| ~~2~~ | ~~5~~ | |
| ~~5~~ | ~~10~~ | |
| ~~10~~ | ~~15~~ | |
| ~~15~~ | ~~20~~ | |
| ~~20~~ | ~~30~~ | |
| ~~30 and above~~ | | |

$_____ per container yard. For example, a 10 yard container equals a charge of $_____.

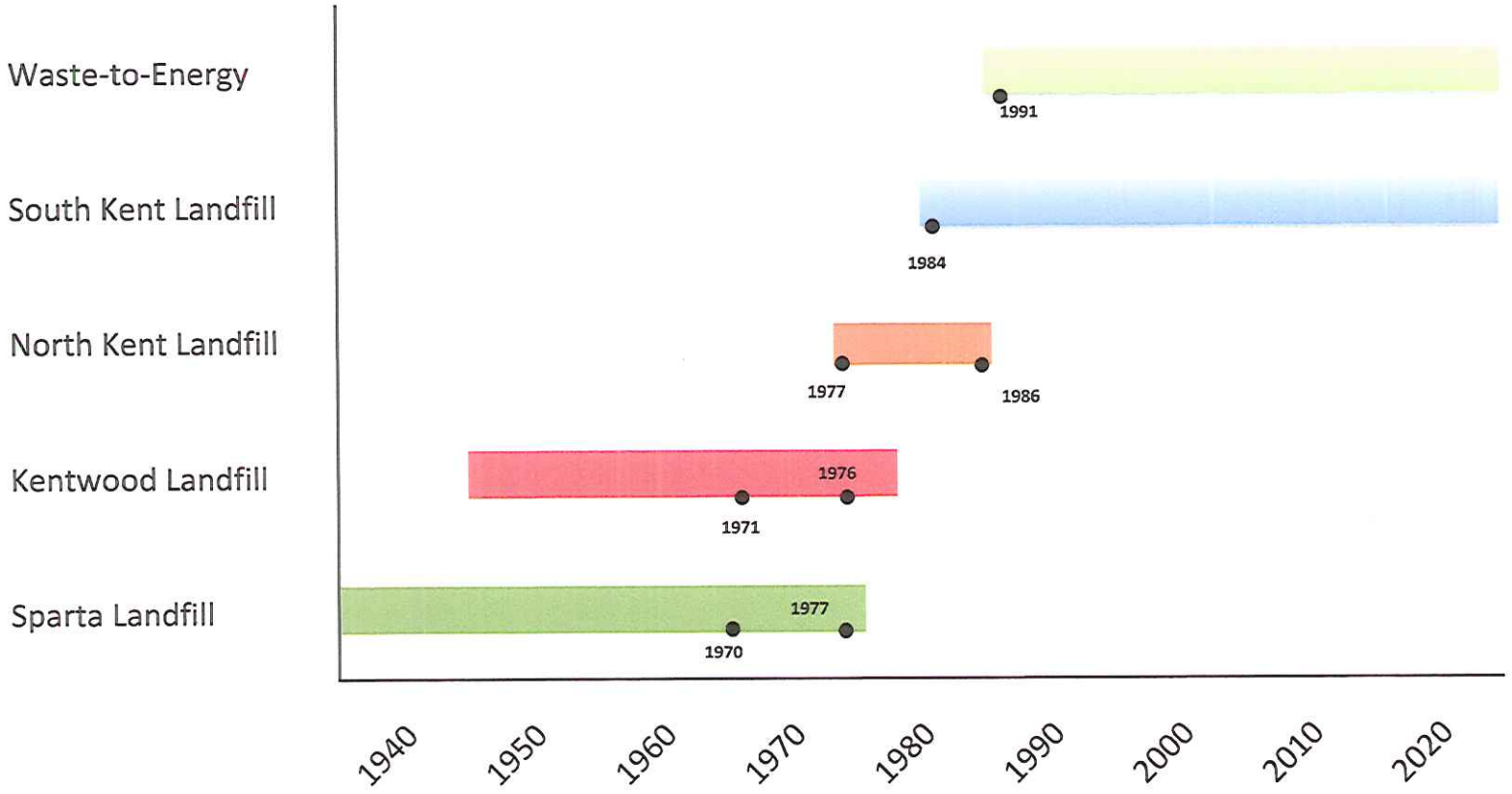
[Insert a few calculation examples once Commercial charges are set].

| Summary Report:<br>Litéra® Change-Pro 7.0.0.375 Document Comparison done on 10/10/2013 2:02:04 PM | |
|---|---|
| **Style Name:** Default Style | |
| **Original DMS:**iw://WNJDMS/WNJDMS/9368962/2 | |
| **Modified DMS:** iw://WNJDMS/WNJDMS/9368962/3 | |
| **Changes:** | |
| Add | 21 |
| ~~Delete~~ | 7 |
| Move From | 0 |
| Move To | 0 |
| Table Insert | 0 |
| ~~Table Delete~~ | 1 |
| Embedded Graphics (Visio, ChemDraw, Images etc.) | 0 |
| Embedded Excel | 0 |
| Format Changes | 0 |
| **Total Changes:** | 29 |

## Article 10. Effective Date

This Ordinance shall take effect 30 days following its acceptance by the Kent County Board of Commissioners and shall be published in a newspaper of general circulation in Kent County. The licensing requirement shall not take effect until the date set forth in section 5.1.

## Timeline for Kent County Landfills



Proposed Solid Waste Surcharge Cash Flow
Prepared June 26, 2012

| | | Proposed Solid Waste Surcharge Amount |
|---|---|---|
| 3% Inflation Rate | 1.03 | 1,323,119 |
| .5% Interest Rate | 1.005 | |

Years

| | Kentwood Landfill Expenses | Sparta Landfill Expenses | Northkent Landfill Expenses | HHW Expenses | Total Expenses | Original* Funds Available | Solid Wst Surch Rec'd | End of Yr Bal** |
|---|---|---|---|---|---|---|---|---|
| 2013 | 459,273 | 139,287 | 251,299 | 272,560 | 1,122,419 | 8,344,687 | | 8,344,687 |
| 2014 | 473,051 | 143,466 | 258,838 | 280,737 | 1,156,092 | | 1,323,119 | 8,553,438 |
| 2015 | 487,243 | 147,770 | 266,603 | 289,159 | 1,190,774 | | 1,323,119 | 8,728,550 |
| 2016 | 501,860 | 152,203 | 274,601 | 297,834 | 1,226,498 | | 1,323,119 | 8,868,814 |
| 2017 | 516,916 | 156,769 | 282,839 | 306,769 | 1,263,292 | | 1,323,119 | 8,972,985 |
| 2018 | 532,423 | 161,472 | 291,324 | 315,972 | 1,301,191 | | 1,323,119 | 9,039,777 |
| 2019 | 548,396 | 166,316 | 300,064 | 325,451 | 1,340,227 | | 1,323,119 | 9,067,868 |
| 2020 | 564,848 | 171,305 | 309,066 | 335,214 | 1,380,434 | | 1,323,119 | 9,055,893 |
| 2021 | 581,793 | 176,445 | 318,338 | 345,271 | 1,421,847 | | 1,323,119 | 9,002,444 |
| 2022 | 599,247 | 181,738 | 327,888 | 355,629 | 1,464,502 | | 1,323,119 | 8,906,073 |
| 2023 | 617,225 | 187,190 | 337,725 | 366,298 | 1,508,437 | | 1,323,119 | 8,765,285 |
| 2024 | 635,741 | 192,806 | 347,857 | 377,287 | 1,553,690 | | 1,323,119 | 8,578,540 |
| 2025 | 654,813 | 198,590 | 358,292 | 388,605 | 1,600,301 | | 1,323,119 | 8,344,251 |
| 2026 | 674,458 | 204,548 | 369,041 | 400,264 | 1,648,310 | | 1,323,119 | 8,060,781 |
| 2027 | 694,692 | 210,684 | 380,112 | 412,271 | 1,697,759 | | 1,323,119 | 7,726,445 |
| 2028 | 715,532 | 217,005 | 391,516 | 424,640 | 1,748,692 | | 1,323,119 | 7,339,504 |
| 2029 | 736,998 | 223,515 | 403,261 | 437,379 | 1,801,153 | | 1,323,119 | 6,898,167 |
| 2030 | 759,108 | 230,220 | 415,359 | 450,500 | 1,855,188 | | 1,323,119 | 6,400,589 |
| 2031 | 781,882 | 237,127 | 427,820 | 464,015 | 1,910,843 | | 1,323,119 | 5,844,868 |
| 2032 | 805,338 | 244,241 | 440,654 | 477,936 | 1,968,169 | | 1,323,119 | 5,229,043 |
| 2033 | 829,498 | 251,568 | 453,874 | 492,274 | 2,027,214 | | 1,323,119 | 4,551,094 |
| 2034 | 854,383 | 259,115 | 467,490 | 507,042 | 2,088,030 | | 1,323,119 | 3,808,938 |
| 2035 | 880,015 | 266,888 | 481,515 | 522,253 | 2,150,671 | | 1,323,119 | 3,000,431 |
| 2036 | 906,415 | 274,895 | 495,960 | 537,921 | 2,215,191 | | 1,323,119 | 2,123,361 |
| 2037 | 933,607 | 283,142 | 510,839 | 554,058 | 2,281,647 | | 1,323,119 | 1,175,450 |
| 2038 | 961,616 | 291,636 | 526,164 | 570,680 | 2,350,096 | | 1,323,119 | 154,350 |
| 2039 | 990,464 | 300,385 | 541,949 | 587,801 | 2,420,599 | | 1,323,119 | -942,358 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2040 | 1,020,178 | 309,397 | 558,208 | 605,435 | 2,493,217 | 1,323,119 | -2,117,168 |
| 2041 | 1,050,783 | 318,679 | 574,954 | 623,598 | 2,568,013 | 1,323,119 | -3,372,648 |
| 2042 | 1,082,307 | 328,239 | 592,203 | 642,305 | 2,645,054 | 1,323,119 | -4,711,446 |
| 2043 | 1,114,776 | 338,086 | 609,969 | 661,575 | 2,724,406 | 1,323,119 | -6,136,290 |
| 2044 | 1,148,219 | 348,229 | 628,268 | 681,422 | 2,806,138 | 1,323,119 | -7,649,990 |
| 2045 | 1,182,666 | 358,676 | 647,116 | 701,865 | 2,890,322 | 1,323,119 | -9,255,443 |
| 2046 | 1,218,146 | 369,436 | 666,529 | 722,920 | 2,977,031 | 1,323,119 | -10,955,633 |
| 2047 | 1,254,690 | 380,519 | 686,525 | 744,608 | 3,066,342 | 1,323,119 | -12,753,634 |
| 2048 | 1,292,331 | 391,934 | 707,121 | 766,946 | 3,158,333 | 1,323,119 | -14,652,616 |
| 2049 | 1,331,101 | 403,692 | 728,334 | 789,955 | 3,253,083 | 1,323,119 | -16,655,843 |
| 2050 | 1,371,034 | 415,803 | 750,184 | 813,653 | 3,350,675 | 1,323,119 | -18,766,678 |
| 2051 | 1,412,165 | 428,277 | 772,690 | 838,063 | 3,451,195 | 1,323,119 | -20,988,588 |
| 2052 | 1,454,530 | 441,126 | 795,871 | 863,205 | 3,554,731 | 1,323,119 | -23,325,143 |
| 2053 | 1,498,166 | 454,359 | 819,747 | 889,101 | 3,661,373 | 1,323,119 | -25,780,023 |
| 2054 | 1,543,111 | 467,990 | 844,339 | 915,774 | 3,771,214 | 1,323,119 | -28,357,019 |
| 2055 | 1,589,404 | 482,030 | 869,669 | 943,247 | 3,884,351 | 1,323,119 | -31,060,035 |
| 2056 | 1,637,086 | 496,491 | 895,759 | 971,545 | 4,000,881 | 1,323,119 | -33,893,098 |
| 2057 | 1,686,199 | 511,386 | 922,632 | 1,000,691 | 4,120,908 | 1,323,119 | -36,860,352 |
| 2058 | 1,736,785 | 526,727 | 950,311 | 1,030,712 | 4,244,535 | 1,323,119 | -39,966,070 |
| 2059 | 1,788,888 | 542,529 | 978,821 | 1,061,633 | 4,371,871 | 1,323,119 | -43,214,652 |
| 2060 | 1,842,555 | 558,805 | 1,008,185 | 1,093,482 | 4,503,027 | 1,323,119 | -46,610,634 |
| 2061 | 1,897,832 | 575,569 | 1,038,431 | 1,126,287 | 4,638,118 | 1,323,119 | -50,158,686 |

* Original Funds Available:

| | |
|---|---|
| 12/31/2011 Kentwood | |
| Cash Balance | 6,961,689 |
| 12/31/2011 Sparta | |
| Cash Balance | 1,382,998 |
| Total: | 8,344,687 |

** End of Year Balance is:

Cash Available at end of prior year
Plus Surcharge Received
Plus Interest Earned on Prior Yr Bal
Minus Expenses for Year

**Kent County**
**Solid Waste Plan Ordinance**

Concepts for Discussion:

1. **Question: Should some communities, for example the 6-cities use the WTE, facility pay less than those not using the WTE?**

**Response for Discussion:** No, the legacy costs for closed landfills were prior to the operation of the WTE. Certainly going forward those communities have reduced their landfill liability. Staff will explain this concept at the meeting using a graph.

2. **Question: How does the ordinance apply to one-time pick-up accounts?**

**Response for Discussion:** The licensing provision and surcharge should apply to one time pick-up accounts. In this category are included construction and demolition debris, site clean-up, for example. Typically, these accounts (accounts is a key word suggesting that the project was contracted by a person) have or use containers for collection of the solid waste.

3. **Question: Does the ordinance apply to small collection vehicles, e.g. pick up trucks with side panels that collect and haul for a "Person"?**

**Response for Discussion:** All of the largest six cities in the County have Solid Waste Management Ordinances and license waste haulers. All of the definitions in these ordinances do not define the size of the collection vehicle nor exempt a collection vehicle based on its size. These vehicles should be licensed as a "Waste Hauler". The proposed ordinance defines "Licensed Hauler" but perhaps this should be revised to reflect the common definition found in the city ordinances.

4. **Question: Does the ordinance apply to city pick-up trucks that are used for solid waste collection sometimes but are used for other public works type projects for other times?**

**Response for Discussion:** Certain older cities have alleys and small spaces not accessible by the standard solid waste collection truck. In this instance, the ordinance could license them but at a lower vehicle fee. This approach would be consistent with the requirement that a pick-up truck with side panels be licensed. Otherwise, if they are exempt it seems certain that those using pick-up trucks with side panels will as for exemption, as well.

5. **How can the ordinance take into consideration "pay-as-you-throw" customers?**

**Response for Discussion:** Residential customers, including those that recycle, have different size containers. The surcharge portion of the ordinance presently does not contemplate making a distinction for container size. As written all residential customers will have the same surcharge. The ordinance could propose a tiered surcharge based on size of container however this adds to the administrative burden. If a tiered approach were implemented in the ordinance the same amount of funds would still have to be collected to reach the desired amount for the restricted surcharge fund.

**6. Question: How often are fees (license fees and surcharge) reviewed and adjusted?**

**Response for Discussion:** It is proposed that the surcharge be reviewed every two years and be adjusted accordingly based on advice and recommendation from the Solid Waste Plan Committee. The license fee itself would probably be reviewed at the same time but presently the ordinance does not address it.

**7. Question: Should residential customers pay less than commercial and industrial account customers?**

**Response for Discussion:** On average disposal tonnage from residential customers compared to commercial industrial customers is approximately 50/50. The surcharge will be calculated to find this balance, too. It may be argued that industrial and some commercial customers were primarily responsible for landfill contamination which seems difficult to prove. The intention was to be fair in recognizing that the County has legacy expenses and each "Person" should pay their fair amount.

**8. Question: How will the residential surcharge apply when accounts change during a quarter?**

**Response for Discussion:** It is recognized and understood that during a three month period customers will be increase and decrease. It is assumed customers will be billed according to the time period they contract with a waste hauler or quit a waste hauler. For example, a customer moves from their residence after one month into the quarter the customer would pay the surcharge for that month only. And the waste company would be expected to pay the County for that partial quarter amount or one month. When reporting and submitting the surcharge to the County, the waste Company can provide information on customer increases and decreases.

Likewise, it is expected commercial and industrial customers will be gained and lost during the three month period. Additionally, some companies may decrease the number of containers during a month. This would be recorded accordingly when the surcharge is submitted.

**9. Question: Should the surcharge be identified on the invoice to the resident or commercial or industrial customer?**

**Response for Discussion:** The ordinance does not address this issue. However, I would expect that an invoice for reporting purposes would clearly state "Kent County Disposal Surcharge" or something of this nature. The Committee and legal staff can discuss the need to have this language requirement in the ordinance.

**10. Question: If a waste company has an uncollectable account will they still be required to submit the surcharge to the County?**

**Response for Discussion:** If bad debt is uncollectable for whatever reason the surcharge would not have to be submitted to the County. If the waste company elects to take legal action to collect bad debt and is successful then the surcharge would be remitted to the County? At the time the Committee and County reviews the surcharge amount they should take into consideration bad or uncollectable debt.

**11. Question: What happens if a waste company does not submit the surcharge as required by the ordinance?**

**Response for Discussion:** Non-submittal of the surcharge as required by the ordinance would be considered an ordinance violation and places the license at risk.

**12. Question: How will split use properties, i.e. part commercial part residential be treated?**

**Response for Discussion:** Typically these properties have containers for collection to serve both residential and commercial. So it would fall into the size of container for the customer.

**13. Question: Is the surcharge for commercial/industrial container accounts charged by the month or by the month and number of tips?**

**Response for Discussion:** The objective is to keep the administrative bookkeeping as simple as possible. Do accomplish this objective it is proposed to have a monthly surcharge for each solid waste container on site.

14. **Question: What role doe the Solid Waste Plan Committee have in endorsing a new ordinance to the Board of Commissioners?**

**Response for Discussion:** The concept of a solid waste ordinance serving as an "enforcement mechanism" was recommended by the SWPC and the Board of Public Works and finally approved by the Board of Commissioners and the Michigan Department of Environmental Quality. During this process Department of Public Works staff indicated to the SWPC that they will be involved in the drafting and development of the ordinance in an advisory capacity. In this role the SWPC is not required to recommend the ordinance. The recommendation step would come from the Department to the Board of Public Works then to the Board of Commissioners.

**15. Question: If the Board of Commissions adopts the solid waste ordinance that includes the surcharge how much of the money is there in the existing fund will be transferred to the fund for legacy expenses and household hazardous waste programs?**

**Response for Discussion:** Staff will explain the current closed landfill legacy accounts and funds and funds needed to move forward. The funds for household hazardous waste management are annual, that is, the yare budgeted each year and the cost of the program comes from the revenues collected at the South Kent Landfill. Staff will present that annual budget for review.

# Kent County Production Performance Summary

Facility Kent
Month September Production

Agenda for monthly meeting every 2nd Thursday of the month @ 10:00 10/10/2013

## Safety

| Indicators | OFI | | II | |
|---|---|---|---|---|
| Safety Audit Status % Complete | | 92% complete. | | |
| Quarterly Snapshot Score | | 93.0% | 3rd quarter 9/12/13 cross regional with Scott Fulton | |
| | | 97.5% | 2nd quarter 4/3/13 | |
| | | 96.00% | 1st quarter 1/10/13 | |

**COMMENTS:** 344 days as of 10/10/13 from recordable on 10/29/2012. previous recordable on 2/17/10. 1205 days prior to that
638 days since last environmental R or RE on 1/10/2012

## Production

| | |
|---|---|
| Unit #1 | 100% availability 0 hours down time. |
| Unit #2 | 86.1% with 100.1 total hours of down time. 67.7 hrs for left wall tube leaks. and 32.4 hrs scheduled outage |
| Turbine | 100% availability 0 hours down time. |

## Production

| | Month | Previous |
|---|---|---|
| MSW received | 19,324 tons | 20,182 tons |
| MSW processed | 14,508 tons | 14,822 tons |
| Availability | 93.0% | 80.5% |
| Steam Produced | 104,578klbs | 90,523klbs |
| Gross Electrical | 10,440 MWh | 8,490 MWh |
| Net Electrical | 8,808 MWh | 6,936 MWh |
| HHV | 5956Btu/lb | 5004 Btu/lb |

**COMMENTS:** 100.1 hours downtime between both units
Unit #1 - 0 downtime hrs
Unit #2 - 67.7 hours unscheduled downtimetube leaks in various areas. 32.4 hrs downtime scheduled outage
August availability #1 - 100%, #2 -86.1%, and turbine 100%

**Project Status**
Outage completed on unit #2. New front wall spiral inconel installed. 84 spiral inconel parts in convection pass installed
New spiral FSH installed. 7 of 10 T's are inconel. New backcast tile.
New water meters installed by City of Grand Rapids (4)
Ash testing completed. Report is generated.
Mobile NF trailier scheduled onsite middle of October for test run.
Unit #1 penthouse floor replaced. #2 30% completed.
Asphalt paving project awarded to Diversco. Tipping floor $ 7,488.00 PO#
Fence painting project 100% complete
New trees planted for replacement of damaged/dead Ash trees.
Scale project paving is completed. Scale light juction box re3moved for vestibule install.
Contact water storage project 99%. Punch list items Samples under conventional pollutant levels. No mercury
Contact water storage discharing 10/9/13

**Personnel**
Mechanic Welder-Offer letter generated to Bill Schild
Auxiliar operator - New employee Daniel Truax started 9/24/13.

# SOUTH KENT LANDFILL REVENUE BY MONTH & YEAR-TO-DATE

**2013**

| | SEPTEMBER | | | | | | YEAR TO DATE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BUDGETED TONS | ACTUAL TONS | Variance | BUDGET $ | ACTUAL $ | Variance $ | BUDGETED TONS | ACTUAL TONS | Variance | Y-T-D BUDGETED $ | Y-T-D ACTUAL $ | Variance |
| | 9 | | | | | | 9 | | | | | |
| Sales - General Refuse | 5,000 | 8,763 | 3,763 | 175,000 | 333,749 | 158,749 | 45,000 | 62,835 | *17,835* | $ 1,575,000 | $ 2,344,161 | $ *769,161* |
| Sales - Charities | 108 | 4 | (104) | 3,142 | 115 | (3,027) | 975 | 67 | *(908)* | 28,275 | 1,949 | *(26,326)* |
| Sales - Demolition | 2,500 | - | (2,500) | 80,000 | - | (80,000) | 22,500 | 16,550 | *(5,950)* | 720,000 | 529,605 | *(190,395)* |
| Sales - Sludge | 1,000 | 413 | (587) | 18,500 | 7,640 | (10,860) | 9,000 | 5,386 | *(3,614)* | 166,500 | 99,642 | *(66,858)* |
| Sales - Ash | 3,542 | 3,543 | 2 | 32,796 | 32,386 | (410) | 31,875 | 32,229 | *354* | 295,163 | 294,575 | *(587)* |
| Sales - Reject | 462 | 456 | (6) | 13,546 | 13,379 | (167) | 4,130 | 4,827 | *697* | 121,092 | 141,533 | *20,441* |
| Sales - Transfer | 4,788 | 4,858 | 70 | 140,384 | 142,425 | 2,041 | 22,871 | 30,938 | *8,067* | 670,578 | 907,116 | *236,538* |
| ***2013 SKL TOTAL*** | ***17,400*** | ***18,037*** | ***637*** | ***463,368*** | ***529,694*** | ***66,327*** | ***136,351*** | ***152,833*** | ***16,482*** | ***3,576,607*** | ***4,318,580*** | ***741,973*** |
| ***2012 Tonnage/Sales*** | | ***13,736*** | | | ***$ 410,025.32*** | | | ***120,967*** | | | ***$ 3,377,797*** | |

# NORTH KENT TRANSFER REVENUE BY MONTH & YEAR-TO-DATE

**2013**

| | SEPTEMBER | | | | | | YEAR TO DATE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BUDGETED TONS | ACTUAL TONS | Variance | BUDGET $ | ACTUAL $ | Variance $ | BUDGETED TONS | ACTUAL TONS | Variance | Y-T-D BUDGETED $ | Y-T-D ACTUAL $ | Variance |
| | 9 | | | | | | 9 | | | | | |
| Transfer to Pierson & SKL | 5,000 | 5,781 | 781 | $ 175,000 | $ 219,110 | $ 44,110 | 45,000 | 48,916 | *3,916* | $ 1,575,000 | $ 1,854,623 | $ *279,623* |
| **2013 NKT TOTAL** | ***5,000*** | ***5,781*** | ***781*** | ***$ 175,000*** | ***$ 219,110*** | ***$ 44,110*** | ***45,000*** | ***48,916*** | ***3,916*** | ***$ 1,575,000*** | ***$ 1,854,623*** | ***$ 279,623*** |
| ***2012 Tonnage/Sales*** | | ***5,100*** | | | ***$ 192,223.50*** | | | ***45,810*** | | | ***$ 1,727,429*** | |

# MRF TONNAGE/REVENUE REPORT

## 2013 Tonnage

| | Jan | Feb | Mar | April | May | June | July | August | Sept | YTD Tonnage |
|---|---|---|---|---|---|---|---|---|---|---|
| CORRUGATED | 346.56 | 240.23 | 282.75 | 328.04 | 368.2 | 175.24 | 336.94 | 376.38 | 341.59 | *2,795.93* |
| TIN/SCRAP METAL | 67.08 | 99.19 | 68.96 | 96.64 | 74 | 34.25 | 66.73 | 75.04 | 53.09 | *634.98* |
| UNPROCESSED FIBER | | | | | | | | | 79.05 | *79.05* |
| ALUMINUM | | | | 21.8 | | | | | 19.11 | *40.91* |
| NEWSPAPER | 826.32 | 523.73 | 748.88 | 838.18 | 792.62 | 523.85 | 876.5 | 823.63 | 894.8 | *6,848.51* |
| MIXED PAPER | 479.20 | 458.97 | 328.62 | 309.03 | 376.6 | 155.47 | 239.24 | 242.65 | 296.58 | *2,886.36* |
| DAIRY | 45.91 | 42.76 | 21.91 | 40.99 | 40.05 | 22 | 21.32 | 40.37 | 42.55 | *317.86* |
| COLOR | 44.58 | 19.63 | 44.03 | 23.9 | 42.78 | 20.61 | 21.89 | 46.56 | 22.15 | *286.13* |
| PET | 104.25 | 84.45 | 85.03 | 65.05 | 110.41 | 85.75 | 85.75 | 86.02 | 127.47 | *834.18* |
| 1-7 PLASTICS | 62.24 | 39.30 | 60.51 | 21.18 | 61.85 | | 43.77 | 153.89 | 85.31 | *528.05* |
| PLASTIC BAGS | | | 41.16 | 20.8 | | 22.32 | 21.51 | 18.60 | | *124.39* |
| GLASS | 384.57 | 283.81 | 340.59 | 300.38 | 359.19 | 142.92 | 341.25 | 284.29 | 303.18 | *2,740.18* |
| ELECTRONICS | 13.13 | 11.19 | 13.94 | 21.87 | 19.48 | 21.98 | 23.16 | 22.59 | 20.28 | *167.62* |
| BATTERIES | 4.23 | 3.63 | 5.46 | 1.24 | 2.40 | 8.15 | 1.16 | 2.97 | 1.74 | *30.98* |
| 2013 Grand Total | 2,378 | 1,807 | 2,042 | 2,089 | 2,248 | 1,213 | 2,079 | 2,173 | 2,287 | *18,315* |
| ***2013 BUDGET (tons)*** | ***2,084*** | ***2,083*** | ***2,083*** | ***2,083*** | ***2,083*** | ***2,083*** | ***2,083*** | ***2,083*** | ***2,083*** | ***18,750*** |
| *2012 TONNAGE* | *2,126* | *1,776* | *1,898* | *1,704* | *1,972* | *1,841* | *1,824* | *2,058* | *1,829* | *17,028* |

## 2013 Sales

| | Jan | Feb | Mar | April | May | June | July | August | Sept | YTD Sales |
|---|---|---|---|---|---|---|---|---|---|---|
| CORRUGATED | 31,521.34 | 24,475.52 | 31,395.22 | 35,793.45 | 35,606.01 | 17,771.37 | 36,674.18 | 43,587.59 | 39,644.31 | *296,468.99* |
| TIN/SCRAP METAL | 17,964.91 | 24,851.39 | 19,435.51 | 25,986.53 | 17,941.04 | 6,783.88 | 16,733.85 | 19,612.76 | 13,296.58 | *162,606.45* |
| ALUMINUM | | | | 18,748.00 | | | | | 15,670.20 | *34,418.20* |
| NEWSPAPER | 65,450.30 | 42,227.73 | 60,129.33 | 68,880.39 | 60,646.20 | 37,330.13 | 58,842.23 | 51,312.07 | 58,017.48 | *502,835.86* |
| MIXED PAPER | 27,808.14 | 28,420.14 | 21,072.04 | 20,231.70 | 17,587.51 | 6,975.62 | 9,727.42 | 8,795.75 | 15,702.31 | *156,320.63* |
| DAIRY | 25,250.50 | 25,656.00 | 14,679.70 | 30,336.30 | 28,222.50 | 14,080.00 | 16,413.32 | 25,836.80 | 32,766.59 | *213,241.71* |
| COLOR | 15,597.60 | 9,618.70 | 25,537.40 | 13,864.90 | 16,253.00 | 7,419.60 | 7,223.70 | 16,054.30 | 7,974.00 | *119,543.20* |
| PET | 33,359.20 | 32,091.00 | 36,562.90 | 26,687.90 | 42,829.10 | 20,945.50 | 29,670.96 | 29,884.06 | 42,060.40 | *294,091.02* |
| 1-7 PLASTICS | 3,734.40 | 2,358.15 | 3,630.60 | 1,270.80 | 2,474.00 | | 1,750.80 | 6,155.60 | 3,412.40 | *24,786.75* |
| PLASTIC BAGS | | | 823.20 | 416.00 | | 446.40 | 430.20 | 372.00 | | *2,487.80* |
| GLASS | | | | | | | | | | - |
| ELECTRONICS | 1,575.42 | 1,342.56 | 1,672.68 | 2,624.34 | 2,336.88 | 2,637.30 | 2,779.20 | 2,710.44 | 2,433.18 | *20,112.00* |
| BATTERIES | | | | | | | | | | - |
| 2013 Grand Total | 222,262 | 191,041 | 214,939 | 244,840 | 223,896 | 114,390 | 180,246 | 204,321 | 230,977 | *1,826,912.61* |
| ***2013 BUDGET ($)*** | ***216,667*** | ***216,667*** | ***216,667*** | ***216,667*** | ***216,667*** | ***216,667*** | ***216,667*** | ***216,667*** | ***216,667*** | ***1,950,001*** |
| *2012 SALES* | *220,004* | *244,174* | *237,888* | *225,745* | *250,585* | *237,618* | *187,468* | *187,664* | *190,908* | *1,982,055* |