

OASIS Connection

Fall 2009

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PRESIDENT'S MESSAGE

As fall fast approaches and summer with its record-breaking rainfall ends, we cannot help wondering where it went.

The Board of Directors and Colleen Swider, Executive Director for OASIS, have been working diligently for our up coming 19th Annual Conference and 3rd Annual Expo to be held at the Sheraton Hamilton Hotel and Flamboro Downs October 23 & 24, 2009. You will see a noticeable change from our previous Conferences with over 45 exhibitors onsite.

I have included some information about the parking at the Sheraton Hotel for your convenience.



Here is the parking information:

Underground parking will

Continued on page 2



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President's Message...

Continued from page 1

accommodate up to 6'6" max (some entrances are 6'2"). The 6'6" entrance is located on King Street. The entrance is before the hotel, so if they pull up front and check in first, they will just need to loop around the block (turn right onto Bay, turn right onto York, turn right onto James and turn right onto King).

For the oversized vehicles that won't fit underground, we have the Bayfront parking which we use frequently with large buses. You would drive to the lot and take a cab back using a voucher from the hotel, so it would not be at your own expense.

From the hotel you would turn right onto Bay St. and follow it right to Harbourfront Drive and turn left. Straight ahead will be a

large parking lot – it's down a sloped hill, so you'll see the entrance right away but the lot will come into view once entering the area. For those who like to walk it is about a 10 minute walk.

Hope everyone has had a prosperous summer and a better fall. See you at the annual conference.

Remember we are here to assist you. If you have any input or concerns please contact, the office and we will do our utmost to assist you.

We look forward to seeing everyone at our Conference and Expo this year.

Bob

See you at
Flamboro Downs
for our
Expo and Outdoor Exhibits!

Executive Director's Report

What an amazing finish to what started as such a horrible summer.

It was nice to see the sunshine and good weather for 17 days straight, breaking the record in Ontario. We are hoping that this trend continues for our Conference and Expo on October 23 & 24. As they say, "you can plan for everything except weather".

Fall is always a busy time in the office with invoices to be sent out and a Conference and Expo to plan. When sending back your membership renewal, please note the change of address of the office: P.O. Box 91, Sundridge ON, POA 1Z0.

This year is no exception to that busy time! OASIS will hold its 19th Annual Conference and you will see many new and exciting elements this year.

The Board has worked tirelessly to create a Conference you will truly enjoy but you cannot enjoy it if you are not there. Realizing this may have been a tough year for some, the Board of Directors has not raised the rate to attend the Conference. The Conference is still only \$125.00. There is a separate price if you would like to attend the Expo (\$75.00) on Friday October 23, 2009. This allows for flexibility both financially and with your time commitment. You can attend one or both days depending on your schedule without having to pay for the time you are not able to come. A full buffet

breakfast will be served before the Annual General Meeting on Saturday October 24, 2009, so bring your appetite.

Of course, we will have our annual banquet Saturday night. This year there is a Halloween theme! Prizes for best costume, most original! The judges will recognize those who come as portable toilet, installers, pumpers or haulers – you cannot fool them! Costumes are not mandatory but certainly fun.

We have an interesting group of guest speakers this year. There are only three main sessions allowing more time to view the exhibits and talk to the exhibitors.

The Bank of Canada recently declared the recession over. In addition, while there are signs that the economy is starting to take a turn for the better, however, the road towards a full recovery could be a rocky one. Most noticeably, government policies continue to bear heavily on the ability of Ontario's job-creating sector - small business - to help lead that recovery.

Come hear from the experts on what the current economic recovery looks like through the lens of Ontario's small businesses. Canadian Federation of Independent Business (CFIB) has been a big voice for small business for over 35 years with over 105,000 members in every sector across Canada, including 42,000 in Ontario.

Continued on page 4

Executive Director's Report...

Continued from page 3

Taking their direction from their members, through regular surveys, CFIB lobbies for small- and medium-sized businesses at the federal, provincial and local levels of government.

There will be a panel discussion with the members of the Ministry of the Environment and its departments. Do you have

questions, concerns – a “need to know the facts”? This is your opportunity to speak directly to the panel about your C of A, the various pilot projects that are taking place around the province but most importantly – DISPOSAL. The age-old issue that plagues the pumpers and haulers in our industry.

We have also invited a panel from the Ministry of Municipal Affairs and Housing (MMAH) to discuss the upcoming changes regarding re-inspection programs and the area bed changes that will affect your businesses. In my discussions with MMAH, I was told, there will be more proposed changes to the building code and you will be the first to know. This session will give you an opportunity to discuss these and other proposed changes.

OASIS introduced an outdoor exhibit area this year to expand on the technology demonstrations we continue to highlight as well as allowing exhibitors with large equipment to display their products. The Expo and Outdoor Exhibits will be held at beautiful Flamboro Downs on Friday October 23, 2009. Enjoy a comfortable coach ride to the site from the hotel and see many of your favorite exhibitors. You will see some who are returning after an absence and it is great to have them back. We will also have 10 new and exciting exhibitors who have never been to the OASIS conference before. We hope that you will come down and meet them.

Continued on page 5



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Executive Director's Report...

Continued from page 4

We would like to thank our 2009 sponsors of the Conference and Expo, Liberty Energy, Vacutrux, Poly Portables, Fournier Industries Inc and PolyJohn Canada. Please stop by their booths and thank them for their generous support.

Once the Conference is finished, I need your help. I will be working diligently on completing the survey addressing the areas of the province that do not have adequate disposal facilities. The Ministry of the Environment has asked OASIS for its help in this matter. All of the information provided by you will be kept confidential and only the final report compiled by me will be given to the Ministry. This is your opportunity to ensure your voice is heard and your area is included. I cannot stress how important this is. Please take a moment to complete the survey – online at www.oasisontario.on.ca or in the Connection.

the Environment to address disposal. As an example, presently there is a pilot project involving the MOE and our members to investigate disposal of portable toilet waste, along with many pilot projects throughout the province. In the Summer Connection, I advised our membership of the opportunities to create demonstration treatment projects in your local areas.

We thank you for your support as members. That age old saying, “There is strength in numbers” has never been truer.

If you have any questions, need support or just want to keep me busy, I always love to hear from our members.

I look forward to seeing everyone at the Conference this year. Take a moment and come see the difference in your Association.

Colleen Swider
Executive Director

OASIS is working closely with the Ministry of

Advisors to OASIS

**Jake Groen - PolyJohn Canada,
Jackie Campbell Diane Sax Environmental Lawyers,
Mark Van Voorst - Van Voorst Engineering,
Roger Winter - K Winter Sanitation**

Micromidas sees goldmine in converting Bioplastic

By Tina Casey

Cleantechnica

Micromidas, Inc. has turned its green eye on wastewater, and it is seeing gold. The company has developed a strain of microbes that can convert the carbon in wastewater into PHA (polyhydroxylalkanoate), a high performance plastic. PHA biodegrades quickly in compost piles and landfills, but otherwise it behaves the same or better than conventional petroleum-based plastic. It resists water and odor permeation, and it holds up under high temperature and exposure to sun.

As a sustainable alternative to petroleum as a plastics feedstock, wastewater could be setting the gold standard.

Bioplastic from Wastewater

Micromidas isn't the only one to see carbon-rich wastewater - the stuff that goes into your local sewage treatment plant - as the logical successor to petroleum as a plastics feedstock. Just last year the University of California-Davis completed a study of wastewater-to-bioplastics under an EPA grant, and concluded that "recycling bio-waste into plastics is capable of far reaching benefits."

Among other things, the research team

pointed out that solids collected during the sewage treatment process give off greenhouse gasses when disposed in landfills. In effect, converting these solids into plastics would sequester a large amount of carbon. It dovetails neatly with other resource recovery operations blossoming at wastewater treatment plants, including electricity, waste-to-energy, and fuel production.

Micromidas and Bioplastics from Wastewater

Micromidas takes the wastewater feedstock ball and runs with it, noting that petroleum price spikes have contributed to devastating volatility in plastics manufacturing.

In contrast, municipal wastewater virtually guarantees a steady supply of feedstock rich in carbon from human waste. Aside from the potential for long term price stability and potential for managing global warming through carbon sequestration, the many advantages of wastewater-to-bioplastics over petroleum include easing pressure on landfills, converting a municipal waste disposal liability into a marketable asset, reducing the amount of petroleum-based plastic in the waste stream, and virtually eliminating environmental disasters related to oil spills

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Advantages of wastewater-to-bioplastics include long-term price stability, reduced pressure on landfill...

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and accidents.

Add the logistical and job-creation advantages of siting bioplastic manufacturing facilities near the feedstock source, and it's a no-brainer.

Next Step for Micromidas

Earlier this summer, Micromidas was announced as a semi-finalist in the Clean

Tech Open competition. Clean Tech is dedicated to advancing clean technology startup companies, and Micromidas joined other semifinalists in a summer program designed to provide office infrastructure, legal and accounting services, and other support to help build and pitch a business plan to a panel of judges this fall.

Winners and runners-up will be announced in November.



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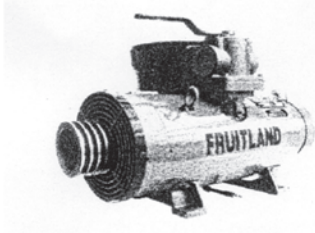
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The Importance of a Good Logo



By Matt Scriven – OASIS Webmaster
It is valuable to understand the elements which go into making a good logo design. My goal with this article is not to train you to design logos technically; but to understand why some logos look better than others.

The main attraction to a logo is your brain's reaction to several elements of design. These elements have existed in classical art, architecture, cinema, and logos – which are used throughout all multimedia for commercial purposes.

Our eyes like seeing things which have visual weight. This is the principle that shapes which are bold tend to stand out against their backgrounds.

For example, if I draw a black shape on a white background, your eye will be immediately drawn to the shape because of the weight it carries.

Reduction is the principle that simplicity is key. If you have a logo which is very complicated and contains several unnecessary lines, it will not stand out (especially at small sizes).

Reducing the amount of lines and shapes down

to the “core” of the shape is key. The example on the left below used to be jokingly referred to by designers as the “exploding pizza”.

Example: CBC Logos. Notice the amount of reduction: In this transition, also notice that the logo was reduced down to a single colour. This is crucial in a logo because if it is to be used in print media, it is easier to print a single colour. Also, multiple colours can be busy and confusing, compared to the new, clean simplicity in the new version.

Many logos contain a movement or flow. This is the arrangement of shapes which direct the eye and cause it to move a certain way. In the CBC logo, your eye is drawn in to the center and

persuaded to rotate around the middle. This increases the amount of time you spend looking at the logo and further promoting the brand.

If you have any questions about logos or the web, please contact me: Matt Scriven

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Proposed Framework for the Management of Non-agricultural Source Material

Ministry of the Environment

135 St. Clair Avenue West
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Ministry of Agriculture, Food and Rural Affairs

3rd Floor
1 Stone Road West, Guelph, ON N1G 4Y2

June 29, 2009

Dear Sir or Madam,

The purpose of this letter is to advise you about the posting of proposed amendments to the General Nutrient Management Regulation (O. Reg. 267/03), under the *Nutrient Management Act, 2002*, (NMA) for the management of non-agricultural source materials (NASM), milking centre washwater and anaerobic digestion on the Environmental Bill of Rights Registry (EBR #: 010-6515) on June 29, 2009. NASM includes sewage biosolids, food processing residuals and other materials not generated by an agricultural operation that can be used as a nutrient on agricultural lands.

As you may be aware the Ministry of the Environment (MOE) and the Ministry of Agriculture, Food and Rural Affairs (OMAFRA) are working to complete the second stage of a two stage initiative to improve the regulatory framework governing the application of NASM on agricultural land.

This initiative proposes to manage NASM as a nutrient instead of as a waste when used to enhance the productivity of agricultural land.

The ministries have developed a framework that would strengthen Ontario's already strict land application standards for these materials.

The proposed framework supports MOE's waste diversion goals, as it encourages the proper beneficial use of organic materials through land application that will enhance the productivity of soils, rather than

sending these materials for disposal.

The proposed regulatory framework would:

- manage non-agricultural source material on agricultural land as a beneficial nutrient;
- establish and revise existing standards and approval requirements for NASM, under O Reg. 267/03, to focus on the quality of the materials;
- streamline the regulatory process by removing overlapping approvals;
- provide notification to the local district office of the MOE prior to the land application of NASM;
- ensure environmental protection by extending the existing framework to include all agricultural land where NASM is applied in Ontario, as opposed to just those farms that are already required to have a nutrient management strategy;
- require approval under the NMA for the land application on agricultural land of materials with higher metal or pathogen concentrations, that are still within acceptable levels (e.g. sewage biosolids and pulp and paper biosolids); and
- amend requirements for anaerobic digestion facilities to allow for the inclusion of a wider variety of off-farm biomass sources and revise storage requirements.

The standards in the proposed regulatory framework focus on the quality of the NASM being land applied. A companion regulatory exemption would be added to Regulation 347 under the EPA, which would exempt the application of NASM on agricultural land that meets certain quality standards criteria, from the requirements of Regulation 347 and Part V of the EPA.

Responsibility for the proposed framework will be shared by OMAFRA and MOE. OMAFRA will administer

Continued on page 13

Letter from the Ministry of the Environment...

Continued from page 12

and approve nutrient management strategies and plans. MOE will continue to be responsible for providing compliance and enforcement activities under the NMA, EPA and the *Ontario Water Resources Act*.

Further details of this proposal and the proposed regulatory amendments can be found on the Environmental Bill of Rights registry which is posted for public comment until July 29, 2009. You may view the proposal at (EBR Registry # 010-6515).

Comments must be submitted in writing with reference to the EBR 010-6515 and received prior to July 30, 2009.

In addition to the posting MOE and OMAFRA and are hosting a series of sessions to review the proposed regulatory framework, provide an opportunity for discussion, and receive your feedback. The meetings will be held at the following locations and dates:

- Kemptville – July 8, 2009
- Newcastle – July 9, 2009
- London – July 13, 2009
- Barrie – July 14, 2009

If you would like to attend one of the meetings, please RSVP at least 24 hours prior to the meeting with your preferred meeting by contacting the Agriculture Information Contact Centre at 1-877-424-1300 or email . The address and time will be provided upon registration. Please note that these consultation sessions will not discuss milking centre washwater or anaerobic digestion.

Please contact Sharon Johnston (OMAFRA) at (519) 826-3118 or Michelle Whitbread (MOE) at (416) 314-9398 for further information on these topics.

Your involvement and input is appreciated as we continue working towards the government's commitment to the protection of public health and the environment without placing undue burden on businesses and municipalities.

We look forward to receiving your comments.

Sincerely,

Original signed by John Vidan Director of Waste Management Policy Branch, Ministry of the Environment and Peter Meerveld Director (Acting) of Food Safety and Environmental Policy Branch, Ministry of Agriculture, Food and Rural Affairs.

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Finnie: Erin could provide septage handling plant

by David Meyer

GUELPH -

Wellington County's only remaining community without a sewage treatment plant could hold the key to solving the county's septage handling problems.

Erin is one of the largest communities in the province without a sewage treatment plant, but its council is studying the possibility of a disposal unit - maybe a really large one.

When county council learned its planning committee had received a report on biosolids and septage management this month, both Erin's county councillors had comments on the issue.

Councillor Lou Maieron noted the provincial government has not yet set rules for the handling of human-generated waste. That was part of a report in September to the planning committee from Triton Engineering.

In 2003, the province stated it would be changing the rules for the handling of biosolids and septic tank wastes. But, as the latest report noted, it has not yet set down those regulations, for the simple reason there is no place available yet to dispose of the waste. Placing them on the land has been outlawed since 2003.

Maieron said there is nowhere in the county to place them except at the new Mount Forest plant. That council is accepting only locally-gen-

erated septage, and it is being mixed into the regular sewage at a careful rate.

Part of the problem, engineers told the county several years ago, is septage is four times the concentration of regular sewage handled at local plants, and thus it can wreck the sewage bacteria breakdown system unless it is diluted. The Mount Forest plant can treat only 10 cubic metres per day of septage, by slowly adding it to the regular sewage stream.

Erin has been taking septage to Hamilton, but the Triton report noted that city will no longer accept septage from outside its borders. Collingwood is expensive because of the distance.

The Triton report stated the county has talked to haulers who are reluctant to make changes to their operations until the province sets the laws, because they might be buying equipment that is useless if the rules suddenly change.

Maieron called the problem "a ticking time bomb," and suggested the county get seriously involved.

"This is an opportune project for the upper tier," he said. "Every municipality has septage."

He said the county would be serving residents well by having something ready to deal with provincial regulations.

Maieron noted that not only are doors closing

Continued on page 18

Erin septage handling plant...

Continued from page 17

on the disposal of the material, every month the land division committee considers severances for properties that are going to need septage disposal.

He said there is no site in Ontario yet that is designed for major treatment of septage.

Planning committee chairman Walter Trachsel said there is no plan in place yet, but the committee is considering options.

Finnie then offered one.

He said Erin is doing a master plan study for sewage and how to deal with it, and also how

to dispose of septage.

He then made his offer. "If other municipalities are interested in a joint facility to handle septage ... it could be located in Erin."

Finnie added, "Let us know sooner rather than later. It's an opportunity for other municipalities to take part."

But, he warned, those who want a solution will have to become a partner - and help pay their share of the costs.

Councillors made no further comments on Finnie's invitation and simply accepted the report.

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The advertisement features a technical diagram at the top left showing a vacuum pump system with arrows indicating the flow of 'air' and 'liquid'. Below the diagram are three different models of dual-cooled vacuum pumps: the 1054LNI, 753LNI, and 403LNI. The pumps are shown from a three-quarter perspective, highlighting their complex mechanical design and various ports. The Wallenstein logo, consisting of a circular emblem with the words 'SIMPLY BETTER' and the brand name 'Wallenstein', is positioned to the right of the diagram. Below the logo, the brand name 'Wallenstein' is written in a large, bold, sans-serif font, with 'vacuum . pumps' underneath it in a smaller font. The phrase 'DUAL COOLED' is prominently displayed in a large, outlined, stylized font. At the bottom of the advertisement, the phone number '800-801-6663' is printed in a bold, black font.

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Membership Application Form

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Owner Name (s): _____

Contact Name: _____ Contact Position: _____

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C of A #: _____

Telephone #1: _____ Telephone #2: _____

Fax: _____ Toll Free: _____

Contact Home Phone: _____ Cell Phone: _____

Email: _____ Website: _____

Business Type (check all that apply):

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Has this company ever been found in violation of the terms of its C of A? yes no

If yes, explain: _____

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 Authorized signature

People power trumps dump

By **MARK BONOKOSKI**

WYEVALE – "Power to the people/Power to the people, right on"

– John Lennon

At the coming of dawn of the morning after the night before, earth-moving equipment began making its exodus from Site 41, the power of a democratically forced moratorium having taken hold – achieved in the end by protests, demonstrations, blockades, civil disobedience, arrests and, just maybe, a little common sense.

The determined will of the people had overcome the bureaucratic will of the municipality's corporation.

Democracy had somehow won.

The controversial landfill known as Site 41, perched atop a vast aquifer of unsullied water stretching from Georgian Bay to the Oak Ridges Moraine, was finally a no-go – at least for a year, and quite possibly forever.

Simcoe County Warden Tony Guergis, uberboss of the 16 municipalities that form his realm, as subtle as a bulldozer, had the stuffing sucked from his shirt when the weighted majority of the 31 councillors under his rule decided at Tuesday's council meeting in Midhurst that enough was enough, and the dump site needed more reflection.

But, oh, how he railed.

He railed against his council for not having the brass of his balls to vote in favour of the dump's continuance, of caving to grassroots public pressure, and of having no ability to make a tough decision in the presence of the hoi polloi.

And he kept on railing until Coun. Mike MacEachern, the mayor of New Tecumseh, once

an ally of the emperor but an ally no more on this issue, decided that Guergis' condescension and belittling had gone too far.

"I am not prepared to sit here and be chastised," he finally told the warden.

All to cheers from the public gallery.

It was this public gallery, jam-packed with concerned people, that Warden Guergis threatened to have cleared if they did not sit silently while he pointedly provoked them.

"Anyone with five minutes of education will wade in with an opinion," he dismissively said at one point.

Bully Boy Act

"Shame, shame, shame," cried the gallery.

And rightfully so.

The emperor, who ran for warden on an anti-dump ticket, only to flip allegiances once elected, was not necessarily caught without clothes.

But his stuffed shirt was certainly deflating.

And his bully-boy act had worn itself thin.

Site 41, west of Barrie, and not far from the town of Elmvale, was chosen by Simcoe County in 1985 to be home to the community waste produced by Tiny and Tay Townships, Midland and Penetanguishene – despite straddling a mammoth aquifer of pristine water.

In 1995, it received the environment approvals that pushed non-believing opponents into action – leading to the recent First Nations' protest encampment across from the site, and the ensuing blockades, injunctions, arrests of even

Continued on page 21

Site 41 returns to fallow ground - for now

Continued from page 20

elderly protesters for peacefully blocking the site's entry point, as well as intimidation and threats from Simcoe County's administration.

On Tuesday, however, the protesters prevailed.

Site 41 has returned to fallow ground.

For now.

There were upwards of 500 people who attended Tuesday's council meeting, all hoping to see at least a one-year moratorium placed on further construction on the dump, already a \$12-million hole in Simcoe County's budget.

But, as Tiny Township Mayor Peggy Breckenridge reminded Guergis before tabling her motion for the moratorium, the people in the gallery, and the hundreds more standing outside listening to the proceedings on loud speakers, were not a "group of raving activists," but citizens "who should be given the respect they deserve."

How right she was.

They were salt-of-the-earth farmers who had never had a ticket in their lives.

They were grandparents, aging boomers and once-upon-a-time hippies.

They were old veterans still young enough to fight for democracy, teenagers with peace signs painted on their cheeks, and students shouting tried-and-true slogans.

They were mothers and fathers.

They were toddlers in strollers.

They were First Nations activists who came down from Christian Island to set up their encampment, and professional environmentalists like Council of Canadians chairman Maude Barlow, her presence over-accentuated by a documentary team filming her

every move for an upcoming TVO feature called Water On The Table.

They were next-door neighbours and seasonal cottagers, local ratepayers and concerned outsiders.

They were ordinary people.

They were people who, unprompted, stood in unison to sing O Canada before council began, people who prayed on the steps for God's guidance, and more stoic people letting their Stop Site 41 ball caps quietly speak for them.

But, in the end, the many became one and the strength of that collective won the day.

Power to the people.

Right on.

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East Luther Grand Valley gets \$10.4 M funding for sewage plant

By WES KELLER Freelance Reporter

East Luther Grand Valley is poised to proceed soon with employment and residential development thanks to a \$10.4-million Canada-Ontario infrastructure grant that'll pay two-thirds of the \$15.6-million sewage plant development.

The sewage plant, more correctly called a waste water treatment plant (WWTP), will enable developers to proceed with employment and residential subdivisions that have for a long time been in the planning stages.

Both kinds of development are required under the provincial Places to Grow legislation and the county's Growth Management Plan which still appears to need some fine tuning for a consensus of Dufferin's eight municipalities.

(Plan B of Dufferin's Grow Plan reduces original planning by 1,400 units. ELGV has already requested that it be given 500 of the "unallocated" 1,400.)

Apart from the need for additional sewage allotments in East Luther Grand Valley's urban centre, the plant has long been seen as an essential replacement of the old one that's reached its capacity and is situated in the flood plain.

It will be built well back from the road

leading into Grand Valley, somewhat south and east of the fire hall on the southern rise above the village, and hidden from view by a planned industrial development.

Mayor John Oosterhof described the announcement as "a great day that's been a long time coming (but) it takes a while to get things through."

He gave credit to the perseverance of both the council and the township staff over the past eight years.

Deputy Mayor John Ince said Mayor Oosterhof had a vision "when I came on council" and wanted to proceed with preparations, "something previous councils hadn't done."

He said a lot of work on the project had been done on a lot of fronts over the years and indicated this had led to a flurry of activity pressing for the grants, which had brought a lot of pressure on CAO Jane Wilson.

MP David Tilson said the grants were "part of the government's plan to stimulate the economy" and also an example of what could be accomplished when all levels of government act in partnership.

MPP Sylvia Jones said the township had been a long time lobbying but its

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ELGV sewage plant...

Continued from page 22

“persistence paid off.” Her comment might have been an allusion to the numerous approaches the councillors and staff had made to various ministries in efforts to access any and all sources of funding.

Developer Tom Krizaan of Thomasfield Homes said the government funding should not be seen as “a grant” but as “an investment in the community.” He said the upper levels of government would recover their investment through various taxes, including the GST and provincial sales tax as well as income taxes from new employment.

Mr. Krizaan said the announcement came at a good time. He said it takes about 10 years to develop industry. He had apparently begun to do so for Grand Valley eight years ago.

Now, he said, it will take another two years to build the WWTP, so services would be available at just about the right time.

Burnside engineer Jeff

Langlois described the new plant as being just about double the size of the old one.

He said it would be a benefit not only to the community but also to the environment.



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Bioreactor to divert organic waste from Sudbury landfills

Day Construction receives approval for rezoning

By Ed Veilleux

Evelilleux@northernlife.ca

William Day Construction is one step closer to building a bioreactor (or waste disposal composting unit) to create soil amendment out of organic waste, following an approval to amend a zoning bylaw at a planning meeting of city council Tuesday.

The amendment to the comprehensive zoning bylaw (95-500Z) will allow lot 11 on concession six, in the Township of McKim, to be changed from M3 heavy industrial, to M3-S heavy industrial special.

"We're quite happy with the decision," said Shawn Day, general manager of William Day construction. "It's going to give us an opportunity to move forward with the business plan that Denis (Blais, manager of Day's environmental division) and I have been working on extensively for the last little while."

With the amendment in place, Day Construction needs to wait for the final approval to start the project, which comes from the Ministry of the Environment.

"We're going to have something going by Christmas," Day said.

The process for the bioreactor focuses on the collection of organic material.

"It won't be so much dumping (waste) it'll be

part of a collection system," Day said. "We collect a lot of material from businesses and other facilities in the Sudbury area, so we are going to be taking that and diverting it from the landfill, as it presently happens.

Currently, clients pay Day Construction a tipping fee to pick up their waste. That concept wouldn't change, but the waste would instead be taken to the bioreactor.

"We're going to work it out so that it's beneficial for both the businesses and ourselves, obviously." Day said.

"We need to make a dollar on this, or we wouldn't be doing it."

Day wouldn't say how much the company is looking to make from this service, he only said the company has "done their internal numbers," meaning it would, in theory, turn a viable profit.

The company will be picking up organic material that "cannot be picked up on your roadside collection, or residential collection," such as restaurant waste or brush material from landscaping contractors.

The company could even pick up manure from farmers and racetracks.

The process of taking organic waste and creating soil amendment material takes

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Unit to be used for processing hauled sewage, wasted biomass and processed organic waste

Continued from page 24

between three to five days.

“You give us a bag of leaf litter and five days later, we’ll give you back some soil amendment.”

“Compost is something that you can put on organic material that you’ll be eating. The difference being that soil amendment, you can put on your lawns.”

The Ministry of Health designates that soil amendment isn’t to be used on anything that will be consumed, Day said.

The idea for the project came from Denis Blais.

“Denis has been managing our environmental division for the last 15 years, and he has been going around to different places, conferences and so on, and he’s seen the value and benefits. We’re filling up our garbage sites uselessly.”

Concerns about putting more trucks on the road were brought up at the planning committee meeting but Blais assured those in attendance that there would only be roughly one truckload of waste being trucked to the plant daily.

Day Construction has applied to the Ministry of the Environment for a Northern Renewable Processing Waste Disposal Pilot project. Since this use is only permitted in the M6 Waste and Salvage Industrial zone, a rezoning has been required first.

If this application is approved, Day Construction will undertake a compost pilot study, with waste

being processed in an in-vessel composting unit. The unit will be used for the processing of hauled sewage, waste biomass and processed organic waste.

The maximum waste receipt is proposed to be 95 tonnes per operating day, with a maximum storage of 500 tonnes.

If the plant wishes to transfer waste to the city landfill site, approval from council will be required.

William Day has a business established on Elm Street in McKim already, which is involved in activities such trucking, heavy hauling, construction, and waste management.

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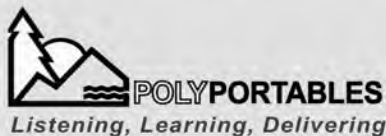
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Ontario's new toxics reduction regime

The *Toxics Reduction Act, 2009* was passed in June and is not yet in force, but the Ministry of the Environment is acting quickly - it has just posted its draft regulation under that Act on the Environmental Registry.

The purposes of the Act are to prevent pollution, protect human health and the environment by reducing the creation and use of toxic substances, and to inform citizens about toxic substances.

The first industries that will be subject to the Act will be the manufacturing and certain mining sectors. Initially, the regulation will apply in relation to 47 substances and substance groups listed as priority toxics in the regulation (e.g., arsenic, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium and zinc). The list of substances will be reviewed at least every 5 years.

Manufacturers will be required to track and

quantify the toxic substances used or created at their facilities, to prepare *certified toxic substance reduction plans*, and to make these available to the public. As well, they will be required to report their progress in reducing toxic substances to the MOE.

Of note, the manufacturer sector is broad, and includes those who manufacture goods including food, textiles, wood, pulp and newsprint. Waste products from these industries are likely well known to OASIS members, as are some of the targeted toxic substances, many of which are permitted (at certain concentrations) in biosolids. While the new toxics regime will not directly affect OASIS members, it is worthwhile noting that, under the regulation, "disposal" of toxic substances includes final disposal to landfill or land application, and off-site treatment prior to

Continued on page 28

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Purpose of the Act to prevent pollution, protect human health and the environment

Continued from page 27

final disposal. The good news is that ultimately, through implementation of *toxic substances reduction plans*, waste materials from manufacturers will contain lower levels of toxic substances.

One of the goals of the new regime is to reduce toxic substances in air, land, water and even consumer products, while nurturing a green economy.

The province will also work with Cancer Care Ontario and the Ontario Medical Association to target cancer-causing agents released into the environment. The new Act is just one step in a process that will eventually result in clear guidelines that identify which substances are truly toxic and set safe concentrations for these substances. And Ontarians will be kept in the loop at all stages.

Want to comment on the Regulation? Go to EBR Registry number 010-7792 – comments due by October 19, 2009.

Jackie Campbell
Saxe Law Office
September 24 2009



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What area does your company service?

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Size of municipality that this facility services:

Types of waste the facility accepts:

Disposal facility hours of operation:

Hours and Schedule that the Disposal Facility accept Wastes:

Has this Disposal Facility had any Interruptions in Service in the past Year, for how long and has the Interruption been more or less frequent than in the past?

Has the Facility imposed any restriction on the amount of waste received or the class of waste?

Date that you last Hauled Waste to that Facility for Disposal:

Fees for disposal at the Facility:

Approximate time that it takes you to use this service:

Names, locations, and types of Disposal Facilities which DO NOT accept waste generated in their municipality:

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