City of Hamilton
Public Works Department
WASTE MANAGEMENT DIVISION

MINUTES

Glanbrook Landfill Coordinating Committee
Monday, November 27, 2006
Glanbrook Landfill Meeting Room
4:30 p.m. to 6:00 p.m.

Attendees:

CITY OF HAMILTON, WASTE MANAGEMENT:  
Craig Murdoch, Manager of Waste Disposal
Fabiano Gondim, Supervisor of Landfills
Frank Falcone, Project Manager, Landfills

MEMBERS:

Allan Freeman, Chair
Andy Fevez
Brook Ryan
Job Manning
Mike Caruso WRTF
Councillor Dave Mitchell

WASTE MANAGEMENT OF CANADA CORPORATION:  Ron Wright (Resource)

Regrets:

MINISTRY OF ENVIRONMENT:  Joanne Placko (Resource)
NIAGARA PENINSULA CONSERVATION AUTHORITY:  Annie Michaud (Resource)

Review of Minutes from Previous Meeting

Minutes of August 28, 2006 were approved as circulated. Motion to approve by Andy Fevez and seconded by Brook Ryan. All in favour. Motion carried.

ITEM

1. Odour Control update

Fabiano Gondim gave an update on the odour control efforts. The City has investigated the source of the odour and has taken steps to improve the odour mitigation plan. The City is currently in the process of implementing the odour mitigation plan and has recently installed a
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second blower to the existing temporary flare system. The second blower has increased the capacity of the odour control system by 50%. The temporary flare was installed to address the short term odour issues and eventually a full scale landfill gas system will be installed in 2007 to address odour issues in the long term. The City is also working with Waste Management of Canada Corporation (WMCC) to develop operational procedures to improve odour mitigation. WMCC has brought a portable weather station and a new mobile odour suppression unit to the landfill as part of the odour mitigation plan. WMCC will monitor wind direction and speed and use the odour suppression unit as required.

Andy Fevez asked if the flare ever blows out. Fabiano Gondim replied that the flare system has an automatic igniter to turn on the flare and explained that the flare might go out if there is not enough landfill gas to sustain the flame. Andy replied that last Friday the flare was off and there was odour coming from the landfill. Fabiano also mentioned that the flare might go out if the system has no gas in it and will stay out until the system replenishes itself.

Craig Murdoch said that if residents notice that the flare goes out more than one hour they can notify the City so the flare can be inspected.

Craig Murdoch updated the committee on the full scale gas collection system to utilize landfill gas for power generation. The company that was awarded the contract with Hamilton Renewable Power is Toromont-Cat. Toromont-Cat is in the process of designing the full scale system and it is planned to start construction in April 2007 and have it completed by the end of 2007. This includes the collection system, the flare, and the energy generation. There was some question on whether or not the province was going to be coming out with the Standard Offer Program, but the province ultimately released the program. Craig said the City will be applying for the energy generation contract as soon as possible.

Resident Sheila May wanted to know why the residents were not notified about the temporary flare installation and informed that the fire department responded to a call about the flare flames. Frank Falcone indicated that the committee and residents were informed of the flare installation. Frank Falcone told the committee that the City had notified the fire department about the flare (located at the northwest corner of the landfill) and also alerted the fire department that calls to the landfill could be related to the flare flames. Sheila May said that she has received calls from residents about the flare and Craig Murdoch requested that any calls she receives be forwarded to the City so that the City can respond accordingly. The City will check their files to see if a letter was sent out and if not they will inform the residents of the flare and any construction that is planned on the north end of the landfill.

Allan Freeman said that a letter should be sent to the residents to inform that if they see the flare down for more than one hour that they notify the City so the flare will be inspected.
Craig Murdoch said that the flare went out about a month ago because a blower seized and we had to replace the blower and we had some odour complaints at that time until we replaced the blower. We have now replaced the blower and also upgraded the blower to increase the capacity of the temporary odour control system.

2. **Wildlife Management Committee update**

   Fabiano Gondim updated the committee on the gull issues at the landfill. The Wildlife Management Committee had met on November 8 and they had indicated that the gull count at the harbour has shown a decrease from 40,000 nests to 20,000 or 25,000 nests over the past year. The Wildlife Management Committee is considering developing a long-term management plan to address bird control issues.

   The GLCC supports the idea of the Wildlife Management Committee developing a long-term management plan to address bird control issues.

   The GLCC asked the City to give an update about the Wildlife Management Committee long term management plan next meeting.

   Alan Freeman reminded Ron Wright (WMCC) to apply for gull culling in 2007.

3. **Status of Leachate Mound**

   Frank Falcone handed out the cross section of the leachate mound and indicated that the levels did not decrease since the last meeting. Frank mentioned that considering the heavy rains that we had experienced in the last couple of months having steady leachate levels was a positive indication.

   Frank indicated that the City had just completed a drilling program to replace three existing leachate monitoring wells that were not functioning properly and had drilled an additional (new) one. The additional well was drilled close to LM4 to investigate the reason for the high leachate levels in that well and when it was drilled a large amount of gas was released, indicating the possibility of a landfill gas pocket that might account for the high leachate levels measured in LM4. Three other leachate wells were replaced and will assist in providing a better representation of the overall leachate mound. Frank said that the drilling program was just completed and leachate levels at these new/replacement wells will start to be measured in 2007.

   Resident Sheila May asked if the high gas flow observed at the new well installed close to LM4 could have any relationship with the old natural gas wells that existed before the landfill development. Frank Falcone answered that the new well installed close to LM4 did not penetrate the landfill clay liner, so there is no relationship with natural gas.
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Frank also mentioned that the City is looking into balancing the amount that each pump station pumps to improve the amount of leachate that is removed from the landfill. The existing cross section relates to the west side of the landfill, which is the upper end of the pumping system (last area to be pumped). Therefore, it is expected that this area has a relatively higher leachate level.

The new leachate wells that were installed on the east side of the landfill will bring extra information to better represent the overall leachate level in the landfill.

4. Pond Data

- The City presented the testing results of the pond to the committee.
- The committee requested the City to include the following information on new letters to be sent to the MOE: indicate how water that failed the MOE discharge criteria was managed by the City; and include historic pond sampling data from one year of the last meeting to the current sampling event.

5. Applications for New and Returning GLCC Members

- Fabiano gave an update on appointment of members for the GLCC. Council has recently approved a new policy and application form for citizen appointments. The main changes are: citizens will be appointed for four year term; there will be a short list process; citizens who have been absent for more than 50% of the meetings during their term of appointment shall not be eligible for reappointment.

- Application forms will be available on December 1, 2006. Applications to be sent by December 15, 2006. Information session for new members on December 11 from 4 pm to 7:30 pm. Interviews on January 2007.

The City was asked to send an email to GLCC with milestones/dates of new/returning member selection.

6. Waste Reduction Task Force Update

- Mike Caruso updated the committee on the Waste Reduction Task force.

7. New Business

- The City handed out 2005 Annual Report booklets to the GLCC members.

- The City was asked about new wells recently installed at the corner of Trimble Road and Hall Road. Fabiano explained that the wells were installed as part of the City's environmental landfill monitoring program, at the request of the Ontario Ministry of the Environment (MOE). The new monitoring wells will provide data of local background water quality in the vicinity area of the Glenbrook landfill.
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site.

☐ Allan Freeman asked the City to send a letter to the residents to inform about the new monitoring wells and also requested the City to keep residents updated on any new off-site developments.

☐ The City was asked to bring an update on flow monitoring station for Buckhorn Creek station next meeting.

ACTION

City

NEXT MEETING – Monday, February 26th\textsuperscript{th}, 2007 @ 4:30 pm

Minutes prepared by Frank Falcone/reviewed by Fabiano Gondim