City of Hamilton
Public Works Department
WASTE MANAGEMENT DIVISION

MINUTES

Glanbrook Landfill Coordinating Committee
Monday, February 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
David Kerr, Supervisor of Landfills
Frank Falcone, Project Manager, Landfills

MEMBERS:
Allan Freeman, Chair
Andy Fevez
Brook Ryan
Councillor Dave Mitchell

NIAGARA PENINSULA CONSERVATION AUTHORITY: Annie Michaud (Resource)

WASTE MANAGEMENT OF CANADA CORPORATION: Ron Wright (Resource)

Regrets:

MEMBERS: Job Manning
Mike Caruso WRTF

MINISTRY OF ENVIRONMENT: Joanne Placko (Resource)

Members of the Public: Jerry Smith
Gary Birch
Lloyd Davies
Sheila May
Don Barlow
Glanbrook Gazette
Review Of Minutes from Previous Meeting

Andy Fevez asked if the collection of landfill gas would go ahead even if the gas to electricity option doesn’t go through. Craig Murdoch answered that the Ministry’s position on gas collection on large landfills is to have it in place if the landfill receives organics containing waste. He stated that the City was committed to having some form of gas collection and flaring. Councillor Dave Mitchell mentioned that the gas collection and power generation at the City’s Wastewater Treatment Facility (WWTF) is moving right along and scheduled to start-up in June of 2006. Craig Murdoch mentioned that Hamilton Renewable Power Inc. is the company that is putting in the tender to the Province to generate the electricity for the WWTF and they will be proposing the same technology to operate the system that is proposed for the landfill.

Sheila May once again stated that she disagreed with the legal interpretation of the City that was provided in the November 28, 2005 meeting regarding the direct haulage of bulk waste from the curbside to the landfill. She indicated that the people making the legal interpretation regarding the landfill including MOE were unqualified to make the interpretations and in this instance were not familiar enough with the history of the landfill approvals.

Andy Fevez requested a written report on the decision and how the City made it. Craig Murdoch said that the City will provide that.

Craig Murdoch reminded the committee and the public that no direct deliveries to the landfill have occurred since April 2005 and that it is recorded in the minutes that the City is committed to not delivering trucks directly to the landfill and the MOE is on record that they do not want the City to deliver directly to the landfill.

Minutes of November 28, 2005 were approved as circulated. Motion to approve by Andy Fevez and seconded by Brook Ryan. All in favour. Motion carried.

Minutes of January 30, 2006 were approved as circulated. Motion to approve by Andy Fevez and seconded by Brook Ryan. All in favour. Motion carried.

ITEM

1. Bio-monitoring and Buckhorn Creek

Annie Michaud provided a general overview of the report. She reported that they are working with the Niagara Restoration Council and the City to do a fish study to see if the recent naturalization work at the flowing spring has actually improved things or not.

Dave Kerr summarized additional information about the details of the naturalization work that was conducted.

Annie Michaud asked if the committee wants the fish study to be done in 2006. It was previously recommended that the study be done every 2 years and the last study was done in 2004. The spring of 2006 is the next scheduled date for a study to be undertaken.

Dave Kerr agreed that the study should be done every two years and it will be done this spring upon getting three quotes to do the work as required by the City’s purchasing policy. He is looking forward to getting a proposal from the Niagara Peninsula Conservation Authority (NPCA). The NPCA did the previous study and were previously the lowest bid.

D. Kerr
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<td>Annie Michaud said upon approval they will be out doing the study in spring 2006. She offered to send the 2004 report to anyone who requests a copy.</td>
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<td>Brook Ryan asked if the impairment of Buckhorn Creek was going up or down and that he would like to see a graph showing the impairment results. Annie Michaud informed Brook that there were graphs in the report that show the impairment over time. The level of impairment hasn’t changed significantly over the years. She mentioned that upstream and downstream of Storm Pond 1 are very similar showing that the landfill is not affecting water quality in the creek.</td>
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<td>Councillor Dave Mitchell questioned the cost of having another company other than NPCA do the benthic work and whether the City could sole source the work to the NPCA since they have done the work in the past and they are in charge of the water ways anyway. Craig Murdoch indicated that the City can sole source work if there are no other companies that can provide the same level of service and since the NPCA was the lowest in the past that they see no reason why they wouldn’t be the lowest in this case.</td>
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<td>Councillor Dave Mitchell asked that if the City does a terms of reference for the work and the NPCA was not the lowest bid that it is brought back to the GLCC for a decision. Craig Murdoch agreed that it would be brought back to the GLCC if the NPCA was not the lowest bid. The GLCC members agreed that the report is well done and that a change to the parameters if a new consultant is awarded the work would not be good. They prefer that the NPCA remain as the consultant to do the study.</td>
<td>NPCA/ D. Kerr</td>
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<td>Allan Freeman made the motion: “that the City proceeds with bio-monitoring for 2006 and if there was another consultant other than the NPCA that could do the work for less than the NPCA that it be brought back to the committee”. Motion to approve by Andy Fevez and seconded by Brook Ryan. All in favour. Motion carried.</td>
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### 2. Gull Control

Dave Kerr reviewed the progress of the gull control program. Phase 1 of the program is complete. Dave gave an overview of the Phase 1 program highlighting the different short term gull deterrents that were used and how well each method worked. Phase 1 ran from November 30, 2005 to December 31, 2005. The City monitored the gull population over that period. The City found that the propane cannon and pyrotechnics were ineffective and caused complaints from local homeowners. The most effective methods employed were the culling and the falconer. For 2006 the City has asked WMCC to concentrate on the culling and the falconer to deter the gulls. Although a significant drop in gulls in January has been noted at the site in comparison to December this could also be partly due to birds flying south. When birds return in the spring WMCC will continue to retain the services of the falconer a minimum of 3 days a week and continue culling. In the spring the program may have to be intensified to 5 days.
ITEM ACTION

a week for the falconer and additional culling may be necessary. WMCC and the City will assess whether the program needs to be intensified at the time.

City of Hamilton Waste Management staff will continue to attend the Wildlife Management Advisory Committee meetings to discuss the ongoing gull egg oiling program in the Hamilton harbour area.

The committee members would like to see an increase in the amount of culling that is done. WMCC will contact Canadian Wildlife Services to see what the culling limit can be increased to.

Alan Freeman made a motion “to approve the long term gull control program using the falconer and culling and increase the culling from 10 birds a week to the maximum that we can do”. Motion to approve by Brook Ryan and seconded by Andy Fevez. All in favour. Motion carried.

Andy Fevez mentioned that he would like the GLCC to get a report on the next meeting of the Wildlife Management Advisory Committee regarding egg oiling.

D. Kerr

WMCC

3. Electricity Generation from Landfill Gas

Craig Murdoch provided an update of the recent work the City has undertaken with regard to this project. He outlined a partnership formed between the City’s Waste Mgmt. Division and Hamilton Renewable Power Inc. The partnership is looking at electrical generation from methane gas at the Glanbrook Landfill. Toromont Cat and GE Jenbacher have recently put in bids to Hamilton Renewable Power Inc. to provide contract services for installation and operation of the electrical generation system. The tender has just closed and the City is waiting for the tenders to be evaluated. The gas collection and flaring will be going forward regardless and the power generation will proceed if we get the contract with the province. The City will have an update on the successful proponents at the next meeting.

C. Murdoch

4. Update on Roll-Out of Green Cart Program

Craig Murdoch provided a presentation on the Roll-Out of the Green Cart program to the GLCC and provided information packages to the members. The roll out will begin April 3, 2006. In addition Craig mentioned the new Central Composting Facility should be operational by the first week of April 2006.
5. **Leachate Mound Update**

- Dave Kerr provided an update of the leachate mound at the site and provided members with diagrams showing the cross section of the landfill with leachate height superimposed on the diagram for February 2006 and February 2005. The diagram indicated that leachate levels have generally gone down at most locations on the site over the course of the last year. There was one location at LM8 that indicated a rise in leachate level. The rise may be related to the topographic shape of the landfill in this isolated area being a catchment for rainwater. As the landfill is developed this area will be re-contoured and clay capped reducing infiltration in this area causing a reduction in leachate height.

- Craig Murdoch mentioned that consultants designing the leachate collection system recommended that it would take at least 5 years to drop the height and that it has been approximately 2 years so far. Craig also mentioned that as Stage 3 is developed the forcemain capacity will be re-evaluated to determine if additional capacity is needed.

- Councilor Dave Mitchell asked if the system was operating as designed. Dave Kerr answered yes it was. Dave Mitchell had asked if leachate was being hauled away from the site and Dave Kerr responded that no leachate has been hauled off-site since the spring of 2005.

- Andy Fevez asked if the City was continuing to release the ponds. Dave Kerr responded that this practice is continuing if the pond test results indicate that the water quality meets MOE criteria for discharge to the surface water. Andy Fevez asked if the City could provide a summary of the results to the committee on a regular basis. Alan Freeman informed Andy that he receives the pond discharge results on a regular basis. Craig Murdoch agreed that the City will send regular updates on pond discharges to all of the committee members. Annie Michaud requested that the NPCA be provided with a copy as well.

5. **Waste Reduction Task Force Update**

- Brook Ryan provided an update on the Waste Reduction Task Force. His report included:
  - Working towards getting apartments involved with waste reduction and as well as the school board.
  - The taskforce is pleased with the way things are going.
  - Concerned with the location of the incinerator.
6. Future Meeting Minutes – Submission to Council

Craig Murdoch indicated that the delay in submitting the minutes to the Committee of the Whole is due to two factors. The first being the landfill committee meets every three months and the previous minutes have to be approved at the committee meeting prior to submitting them to the Committee of the Whole. It also takes 6 weeks to go through the City’s report process from the General Manager to Council. To improve this process the City has spoken to the Clerks department and they have said that any motions can be sent immediately to the Clerk’s department to be included on the PWIE agenda following the meeting. This can be done since the motion part of the minutes has already been approved by the committee as opposed to the minutes that have to be approved by the committee after being prepared. This would be facilitated by having the Chair of the GLCC send a letter to the Clerk’s department including the motion and requesting that it be sent to PWIE as soon as possible. The City will put together the letter and then have Allan Freeman sign it and take the signed letter to Clerks.

Councillor Dave Mitchell had concerns that any motion that is approved by the committee needs to get out to Council immediately and not in 6 months.

Craig Murdoch said that to shorten the process we can also e-mail the minutes in draft form to the committee members who have e-mail and deliver it by hand to anyone who does not have e-mail (such as Brook) and wait for comments. If there are no comments we can then submit the minutes to Council. Craig mentioned that it would still take 6 weeks to get through our system.

7. New Business

Sheila May had concerns with the odour and the litter on the site. Ron Wright responded by saying that he had additional staff on site picking up the litter and that no litter has left the site.

Sheila May wanted a copy of all the amendments to the C of A since Alternate Daily Cover was added to the C of A to the present time. Dave Kerr will provide all updated.

Sheila May asked about the odour control issues and what the City is going to do about it. Dave Kerr explained that the City have an action plan in place and are trying different things from carbon filters to flaring at the leachate collection manholes. These are interim solutions until the long term gas collection system is in place.

Lloyd Davies asked if all technical questions concerning the landfill are handled by consultants. Craig Murdoch explained that to have employees on staff to answer every technical question that is asked would be too expensive from a staffing perspective. Specialized consultants have expertise in specific fields that staff do not have and are called on to answer the questions on an as needed basis. Many of the questions answered by the specialist consultants take up a small
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<td>portion of their time for which we are billed. This is much more cost effective for the City in comparison to hiring a specialist as a full time employee in lieu of the fact that they may not have enough projects to justify their expertise on a full time basis. Also, the consultants can tap into other resources as needed to answer specific technical questions.</td>
<td>C. Murdoch</td>
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<td>Gary Birch complained that the pickup time of the garbage is not consistent and would like it to be. Councillor Dave Mitchell asked the City to review the times that trucks pick up garbage and try to make them more consistent from week to week. Craig Murdoch mentioned that he would forward these comments to Waste Collections staff.</td>
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**NEXT MEETING – Monday, May 29th, 2006 @ 4:30 pm**

Minutes prepared by Frank Falcone/reviewed by Dave Kerr