

FINAL
O.S.P.E. LAND DRAINAGE COMMITTEE
MINUTES OF MEETING
Friday, June 6, 2014
O.M.A.F.R.A. Building, 1 Stone Road West, Room 403
Guelph, Ontario

1.0 Attendance and Call to Order

- 1.1 Members Present: Tim Oliver, Chairman; Gerard Rood, Secretary; Tony Peralta, Vice Chair; Bill Dietrich; John Kuntze; Jeff Dickson
- 1.2 Liaison Members Present: Davin Heinbuck, Conservation Authorities (Ausable Bayfield Conservation Authority); Art Groenveld, M.T.O. (Ministry of Transportation Ontario); Sid Vander Veen, O.M.A.F. (Ontario Ministry of Agriculture and Food); Pat Shaver, Open Learning & Educational Support (University of Guelph); Tom Hoggarth, D.F.O. (Department of Fisheries and Oceans Canada) (called in)
- 1.3 Absent Members: Jeremy Downe, M.N.R. (Ministry of Natural Resources Ontario); Kristian Kennedy, O.S.P.E. (Ontario Society of Professional Engineers)
- 1.4 Chairman Tim Oliver called the meeting to order at 9:10 a.m.

2.0 Approval of Agenda

- 2.1 The committee reviewed the agenda prepared by Tim Oliver. Motion by John Kuntze, seconded by Gerard Rood, that the agenda as prepared by the chairman be accepted. Carried

3.0 Minutes of Last Meeting

- 3.1 John Kuntze moved to accept the January 21, 2014 LDC meeting minutes and seconded by Bill Dietrich. Carried
- 3.2 Final documents are to be sent to Pat Shaver by Gerard Rood for posting to the LDC web site. **Action by Gerard.**

4.0 Business Arising From the Minutes

- 4.1 Regarding the Norfolk County submission, John Kuntze advised that he had not yet completed a response. **Action by John & L.D.C.**
- 4.2 Jeff Dickson advised that he had located the O.S.P.E. Terms of Reference for the L.D.C. and sent them to Gerard Rood. These are now being kept in the front of the meeting minutes binder. John has not found a copy of the standing resolution information yet. **Action by John.**

- 4.3 Jeff advised that the letter to the Minister has not yet been prepared. Tim Oliver stated that the letter to the Minister was on hold since there was no information on D.F.O. and D.A.W.G. (Drainage Action Work Group) at this time. D.A.W.G. meetings were held in April and May. D.F.O. is looking at a 6 week schedule for meetings, with the next meeting scheduled for July 19th. Work is being expedited with efforts to get Class Authorizations in place. They are working on the Drain Maintenance Notification Form and the feedback has been positive so far. They are also looking at establishing regulations and standards to facilitate proceeding with works that meet the new Fisheries Act provisions. Based on the progress, there does not appear to be a need to do a letter to the Ministers at this time. Things are moving forward and the D.F.O. triage group is working with a good response time. He noted that D.F.O. has set time lines for responses to applications.
- 4.4 John Kuntze commented that the D.F.O. focus is now more on fish protection and not as much on environmental concerns as in the past. Davin noted that there is a more defined procedure but there is still an onus to do mitigation and due diligence. John observed that the January 24th, 2014 letter that was circulated indicated that there is on-going liaison between D.F.O. and M.N.R. and some links are being established.
- 4.5 Davin Heinbuck advised that there is work being done on a Memorandum of Understanding (M.o.U.) between D.F.O. and the Conservation Authorities. There is no partnership as of yet. Conservation Ontario is trying to work with D.F.O. and the C.A.'s are willing to help with reviews.
- 4.6 Tim Oliver suggested that D.F.O. decisions may be more consistent than in the past. Davin suggested that C.A.'s could help with the screening process. Bill Dietrich recommended that engineers and drainage superintendents contact the C.A.'s first, then approach D.F.O. when needed.
- 4.7 Davin noted that the aquatics group is meeting every 2 months. They want to try and help facilitate reviews and approvals.
- 4.8 Jeff Dickson and Art Groenveld were to prepare some guidelines for speakers at the Drainage Conference and training sessions. A draft has been prepared and Jeff will forward same to Gerard for distribution and inclusion with the minutes.
- 4.9 It was noted that the survey on training is included in Item 3.1 of the agenda and will be discussed later in the meeting.
- 4.10 Bill Dietrich made a motion to receive the minutes. Seconded by Tony Peralta. Carried.

5.0 Correspondence

- 5.1 Tim Oliver stated that there was no new direct correspondence to the L.D.C. Most items were just follow ups. Gerard Rood mentioned the correspondence on the Ross Irwin scholarship fund and that Pat Shaver would discuss this in her liaison report.

6.0 Liaison Report – OSPE - Kristian Kennedy

- 6.1 Kristian Kennedy was not available and there was no report.

7.0 Liaison Report – Ministry of Natural Resources - Jeremy Downe

- 7.1 Jeremy was not present and no report was provided by M.N.R.

8.0 Liaison Report – Ministry of Transportation Ontario - Art Groenveld

- 8.1 Art reported that the gravity pipe design guidelines are now finished and are available on-line. They are updated and pipe joints are discussed. New pipe products include polypropylene and an H.D.P.E. product called “snap tite” that is useful for culvert liners. There is structural pipe that is polymer coated. They have found that aluminum pipe is working well in salt conditions. This pipe is not as strong as steel pipe and there are “Height of Fill Tables” for use with the pipe. There is an aluminized pipe selection chart available. Implementation is scheduled for June 12th.
- 8.2 They have completed their Hi-DIS (Highway Drainage Infrastructure Software) program. Some of the data is a bit out of date and they plan to modify it and get it updated. Data will be brought from 2007 records to the 2014 records with a target for completion by this fall.
- 8.3 Their IDF curve tool was released. A problem with the Google map interface was fixed and the software is working well. They are accounting for Manitoba and Quebec information and are trying to add United States info as well. A parameter for duration of records is being implemented so that longer records will be given more weight. There are other IDF stations across Ontario many of which are private stations. Information is available on a web site and there is an opportunity to use some of this data.
- 8.4 Art discussed that they are doing a trend analysis study on climate change. Preliminary results indicate a 2% increase of intensity per decade.
- 8.5 The study on trenchless technology is still being worked on. This is being considered for both new construction and pipe rehabilitation. There are many different technologies out there. It will likely become part of the gravity pipe guidelines eventually.

8.6 There have been discussions with M.N.R. on regression models. They are going through a study this year. Eventually they expect to include O.F.A.T. (Ontario Flow Assessment Tool) information. An update will be provided in the future.

8.7 Tom Hoggarth called in at 10:10 a.m.

9.0 Liaison Report – Conservation Authorities Report - Davin Heinbuck

9.1 Davin advised that they are working on D.A.R.T. (Drainage Act Regulations Team) streamlining with the C.A.'s. Paper work is a concern and they are using software to make things more efficient. You can get 3-4 SCR's (Standard Compliance Requirements) at one time on a single sheet. He noted that you can do an auto fill in Word software. They are testing it on their end and will finalize it soon. D.A.R.T. will continue to evolve.

9.2 The Healthy Lake Huron initiative was discussed. The web site is available and you can subscribe to a newsletter. They are continuing to work on the Rural S.W.M. software. Burnside Engineering appears interested in the software. The model is based on PCSWMM. Jeff Dickson stated that they have done a couple of drains using the software model. Davin noted that it is still a work in progress.

9.3 Bill Dietrich asked Davin about the January minutes Item 9.16 that mentioned a meeting among the southwestern C.A.'s. Davin stated that they mostly discussed head water features. Enclosures are a part of this. He has to follow up on this and there are plans to have another meeting. Their last meeting was in March. Bill stated that they didn't see an invitation. Davin said that the Upper Thames hosted the meeting and he will follow up on who was invited.

10.0 Liaison Report – Fisheries and Oceans Canada - Thomas Hoggarth

10.1 Tom noted that the new Fisheries Act was in force as of November 25th, 2013. They are stepping through the processes. A Class Authorization does not always work. The new Act requires "offsetting" and has letter of credit requirements.

10.2 They have gotten permission for Ontario to use the Class Authorization process. They are doing up new Class Authorizations. Jenn Thomas is doing updates. When a notification is sent in, their triage group will have all the Ontario Class Authorizations.

10.3 They are working on updating the notification form through D.A.W.G. and are working with M.N.R. too.

10.4 Jenn Thomas is working on the drain mapping. Some watersheds are okay but others are very challenging. Good progress is being made.

- 10.5 With regards to the D.F.O. and M.N.R. agreements, the old ones ended on November 25th. The C.A.'s have told them that they are no longer interested. They are re-doing an agreement but no regulatory agreements are in place and there is very little to do with drains. At this time only D.F.O. is doing Fisheries reviews.
- 10.6 Bill Dietrich noted that the triage group is sending out Class Authorizations and asked where they are being sent. Tom replied that they can send them to the Drainage Superintendents or to the Municipalities.
- 10.7 Gerard Rood asked about the 2 year time frame to get new regulations. Tom responded that they are working with D.A.W.G. on this. The Class Authorization is for maintenance works. There is some legal risk and the regulations could address this. The regulation would state how, where and when and if followed, no authorization would be needed. You will still have to notify D.F.O. that you are using the applicable regulation. The intent is that you will be pre-authorized for prescribed works. These may come out in approximately 18 to 24 months.
- 10.8 Tim Oliver asked if D.F.O. had a July 1st target for the Class Authorizations. Tom noted that timing windows limit work to after July 1st. Class Authorizations can start any time. They are trying to be ready for July 1st.
- 10.9 Tim observed that M.N.R. has allowed some special work in the timing windows. Tom said that these are done on an individual basis. D.F.O. has been requiring confirmation of meeting old Class Authorizations.
- 10.10 Sid Vander Veen stated that at a D.A.W.G. meeting it was discussed that the amendments to the Fisheries Act made it less restrictive. Tom commented that the Fisheries Act was changed through a budget act approximately 2 years ago. The omnibus bill was done under Cabinet Committees and in secrecy. The press suggested that the Act was being gutted and a lot of misinformation was circulated. D.F.O. could not respond until last November 25th because of the omnibus bill. The Act still protects fish and habitat. The prohibition is against causing serious harm. The new Act has tools especially for drainage. They can now create regulations to approve or authorize work being done in accordance with the regulations. The current Act is not much different than in the past, but will improve with time as the regulations are developed. They expect to reduce the red tape and speed up the work. The Act now has the ability to facilitate work but it will take some time to implement.
- 10.11 Tim Oliver advised that he can share more on D.A.W.G. later in the meeting.
- 10.12 John Kuntze thinks that the D.F.O. mapping is a good initiative and will provide good data to work with. Sid stated that O.M.A.F. is responsible for the line data. They are using old maps unless the municipality provides them with updated plans. He noted that the drain classification is a D.F.O. responsibility. Davin commented that any drain that is not sampled is not classed.

10.13 John said that they have a subscription service that provides parcels and roll numbers and mapping with aerials. Tony Peralta observed that municipalities need to participate in the process.

11.0 Liaison Report – Ministry of Agriculture and Food - Sid Vander Veen

- 11.1 Gerard asked Sid if O.M.A.F. updates their plans with new drainage reports. Sid responded that they are doing this, but do not get all the reports. They update every drain that they get a report for. They have hired GIS summer students to input data and are doing it again this year to bring records up to date. The municipalities have the best information and O.M.A.F. needs to get the information from them. He noted that all work is done through L.I.O. (Land Information Ontario).
- 11.2 Jeff Dickson stated that it is hard to get municipalities to budget to create a good map. Sid stated that O.M.A.F. has offered to do mapping if the municipality provides hard copy maps to work from.
- 11.3 Sid reported that the Ministry is updating computer programs for drainage and are establishing the documents that are needed. They are building a new computer system by March 2015 and are looking at having a portal to allow access by municipalities and contractors for grant applications, licensing, etcetera. This will develop over the next 1-2 years.
- 11.4 Andy Kester will be working on the development of the new software, and processing of grant payments may be delayed, although they are hiring a person for 4 months to assist with the work.
- 11.5 There were 32 attendees at the Drainage Superintendents course this year. This included 9 from engineers, 2 from D.I.G. (Drainage Investment Group), 1 from M.T.O. and participants from C.A.'s, along with a couple of contractors.
- 11.6 Sid noted that wind farms are not exempt from the Drainage Act.
- 11.7 The London session had 40 people and there were 10-12 people in Brockville. The Guelph course was cancelled due to a lack of interest.
- 11.8 Design and Construction Guidelines is busy. It has been broken into 3 parts with Section 1 - Engineer and the Drainage Act approximately 75% done. The Technical section that provides sources for information and procedures is approximately 75 % done. The third section for Legislation and Regulatory Agency Requirements is at 0% so far. Kenn Smart and Kay Palmer are continuing to work on this. All submissions from K. Smart Associates are reviewed by Sid, Tim Brook, Jacqui Empson Laporte and Arlene Robertson. O.M.A.F. is editing the documents

to simplify the presentation and better convey the information. They are trying to make it a useful guide and expect a draft by the end of the year.

11.9 O.M.A.F. is advertising for a new acting Drainage Referee with applications closing today. An Order in Council is required to do the appointment and it might be October or November before the appointment is in place.

11.10 O.M.A.F. has a new intern starting on Monday. Her name is Margarita Kalika and she will be involved with D.A.R.T. and D.A.W.G. Margarita has been assigned two major projects:

- Post Drainage Referee decisions permanently on the “CanLII” (Canadian Legal Information Institute) website, which is publicly accessible (<https://www.canlii.org/en/on>). The decisions of the Tribunal are already being posted on this site.
- Update the Ministry’s Procedural Manual for performing drainage projects in areas without municipal organization.

11.11 The Drainage Superintendents Association of Ontario is leading a review of their Drainage Superintendent’s Guide. They are proposing to develop a field guide and an office guide. The review may take 1-2 years to complete.

11.12 D.I.G. has received some funding and is doing some research. They did a field trip for D.I.G. Board members and liaison members with Harry Reinders, all in urban settings. Harry presented a paper on working in water. Sid suggested that it might be good to have Harry present again at the Drainage Engineers Conference.

11.13 An email was sent out to D.S.A.O. about using drones for inspection of drains. Frank Jonkman got some work done with interesting results. The new technology may prove useful. They are also doing sonar mapping.

11.14 Sid discussed the “Ontario Climate Change Data Portal” (C.C.D.P.) web site. You can put in a climate change factor. The site uses a 25 km by 25 km grid for generating I.D.F. (Intensity Duration Frequency) curves. This is an M.O.E. (Ministry of Environment) initiative project and could be a source for future projection information. The site is “www.Ontario.CCDP.ca”.

12.0 D.A.W.G. (Drain Action Working Group) Update - Tim Oliver

12.1 Tim reported that there were 2 meetings held, one on April 3rd and the other May 15th. Attendees included D.S.A.O., Sid Vander Veen, Tim, Peter Jefferies, O.F.A. (Ontario Federation of Agriculture), Conservation Ontario representatives, Davin Heinbuck, Tom Hoggarth, Jenn Thomas and Bill Bilton, the mayor of Dawn-Euphemia.

- 12.2 D.F.O. provided updates on the Fisheries Act. The focus was on the drain form and class authorizations. The web self assessment process was reviewed. They are looking at creating regulations or standards to avoid the need for notifications. The exception would be if there is an endangered species to deal with.
- 12.3 On the drain form they will be looking at “offsetting” provisions. Use of a 2 stage ditch for maintenance is an offsetting type of work. Some types of work will have an offsetting component.
- 12.4 The new classification system will be more based on fish species than previous parameters that were used. There will be more scientific components involved and more emphasis on using a data collection basis.
- 12.5 Davin noted that for D.F.O. authorization, parties will need to incorporate an offset. Mitigation such as use of straw bales doesn’t qualify as offsetting. Offsetting needs to be relatively permanent. John Kuntze noted that bank stabilization is considered “offsetting”.
- 12.6 Tim commented that Tom Hoggarth gave them a table of maintenance activities that may not require authorization once regulations have been established. Tim can provide a copy of the table and a summary of their 2 meetings for inclusion in the future L.D.C. meeting minutes.
Action by Tim.

13.0 D.A.R.T. (Drainage Act Regulations Team) Update - John Kuntze

- 13.1 The DART is stalled as they are waiting for provincial government changes. They are looking at the drain maintenance protocol. D.F.O. wants to change the submission form. They continue to use the old form for now.
- 13.2 D.I.G. did a 3 day workshop on governance for Board and liaison members. There is nothing major to report.

14.0 Office of Open Learning - University of Guelph - Pat Shaver

- 14.1 Pat provided an outline of her presentation as per the attached.
- 14.2 Sid Vander Veen noted that they won’t spearhead the training. He suggested waiting for one year as we may have the new Guidelines available at that time and can base the training on the new Guidelines.
- 14.3 Pat reviewed the financial statement that was handed out and showed a balance of -\$10.00. She discussed honorariums, mileage and the new website costs. The new web site will be on University of Guelph servers. The negative balance will be paid off with the surplus from previous years. We are trying to break even each year.

- 14.4 Pat suggested that some money could go into the Ross Irwin Scholarship Fund. A budget line can be added for the contribution. A grad student could present at the conference on what the scholarship allowed them to do. She noted that the Committee will save the \$1,500.00 spent on the web site this year and it could go to the scholarship fund. This could be a way to deal with surplus funds. It is intended that the capital will stay in the fund and the interest supports the scholarship.
- 14.5 Jeff Dickson suggested that the Committee could give the selected student a direct bursary like the D.S.A.O. does. Bill Dietrich noted that their Chapter presents a bursary to the student with the highest mark in a water resources course at Conestoga College. Pat stated that she could do a direct payment to the recipient that is chosen, but will talk to the contact person. She will follow up on the scholarship fund and see if we can top up the scholarship. She would like to say \$1,000.00 to \$2,000.00. Sid noted that L.I.C.O. set up the fund and may have a concern that we are competing with them. Pat suggested that funding could be split with \$1,000.00 to the capital fund and \$1,000.00 to top up the scholarship. Jeff Dickson moved to have Pat check out how to deal with the Ross Irwin Scholarship Fund. Seconded by Gerard Rood. Carried.
Action by Pat.
- 14.6 Pat advised that it should be okay to leave the conference fees the same for now. We should expect the usual \$3,000.00 surplus in the future. She will draft up a budget this year to exclude offering the training course and add in the Scholarship funding.
- 14.7 Pat told the Committee about the anti spam legislation that is coming into effect. They can no longer email someone unless their consent is received. Information regarding this will be added to the web site. This could impact the Thursday training course because an email can no longer be sent out. She noted that the 2 year grandfather clause can be used; however, this could affect exhibitors too. The legislation does not allow any email to solicit clients. She will keep a list of those who consent to receive emails.

15.0 46th Drainage Engineers Conference - 2014 Topics and Speakers

- 15.1 Pat Shaver confirmed that the dates are booked for the 2014 Conference. She had a list of topic suggestions and provided a work sheet for the conference set up.
- 15.2 Sid suggested changing the panel discussion so that each panel member speaks on a specific subject. Bill Dietrich suggested that we just have more questions and answers after each presentation. Jeff Dickson noted that the Conference has always had a panel but suggested that we try once without it and see what the result is. Pat suggested that the Panel Discussion could be shifted to an alternate time. We should try to finish the session between 3:30 and 4:00 p.m. All sessions should be kept below 60 minutes. 50 minutes seems to work best.

- 15.3 Art Groenveld discussed the Speaker Information form. Pat noted that this helps the speaker know what the Conference is about. We can also adjust the times for different speakers to suit their topic or presentation.
- 15.4 Jeff would like to see Harry Reinders come back. Sid thinks the topic “working in water” might be worthwhile. It emphasizes quick in and quick out to minimize impacts of work to a drain. It may be a way of educating each other and this could start a dialogue and some trust between the different stakeholders of a project. Sid feels it is important to share the data that Harry has.
- 15.5 Art could arrange for Hani Farghely of M.T.O. to speak on “infrastructure resiliency to climate change”.
- 15.6 Sid suggested that Tony Peralta could present on assessment for drain crossings. Pat asked if the topic could be done as a panel discussion. Sid would like a Committee endorsed approach to it. Tim noted that Dennis McCready did a questionnaire around 2000 and it might be used as a basis. Sid stated that the Herb Todgham 1969 paper is not followed by all practitioners but led to a similar approach being used by most practitioners. He would like an endorsed approach to this topic. He suggested that Tony could do a paper and review it with the Committee. Tim suggested that Tony present this year and do a paper afterwards.
- 15.7 There were general discussions on how to present the access assessment information. Jeff suggested doing a comparative presentation for this year. The L.D.C. can review it afterwards and then do a presentation next Conference on the Committee recommendation. Art Groenveld suggested that Tony present his way of doing the assessment and then have an extended question and answer period. Sid would like to do it on the basis that “the Committee is dedicated to developing a standard approach”. Art suggested that it could be an “open discussion presentation”. Pat recommended that Tony have a note taker to record the comments after his session. Jeff stated that it could be done as a case study approach. **Action by Tony.**
- 15.8 Sid Vander Veen likes the rural storm water management topic. Davin thought that we can do a C.A. perspective on the topic. He will arrange for a speaker. **Action by Davin.**
- 15.9 Nutrient movement was suggested by Tim Oliver as a topic. He knows a person who might present or who might want to be an exhibitor.
- 15.10 Sid advised the Committee that Tim Brook had some topic suggestions including natural channel design. There is a speaker from Stantec Consulting who has done projects across North America. **Action by Sid.**
- 15.11 Jeff Dickson recommended that a non-drainage presenter be arranged. Tony Peralta asked if the Drainage Tribunal could do a presentation. Sid noted that Ed Dries was on the Tribunal for

the Deer Lake hearing. He might also provide a “Summary of Tribunal Decisions” in the past year.

- 15.12 Tim Oliver will contact Ed Dries about presenting. Sid will contact Harry Reinders about presenting. **Action by Tim and Sid.**
- 15.13 Sid suggested having a presentation on considerations for writing reports for wind farm developments. Art thought it might be generalized to be a presentation on “Green Energy Impacts on Municipal Drainage”. This could cover wind farms, solar panel farms and pipelines. Jeff suggested that this could be a backup topic if one of the other speakers is unable to present. Sid thought that Bill Dietrich and John Kuntze can provide input on the topic too. **Action by Jeff, Bill or John.**
- 15.14 Pat Shaver said that she will email a copy of the proposed speakers to the Committee. She will need input by July 30th to finalize the speakers.
- 15.15 Jeff will send Pat the speaker information sheet and will copy the L.D.C. for comments by June 20th.

16.0 Next Meeting

- 16.1 Pat Shaver suggested that the next meeting be held on Thursday afternoon since there will not be a training session and the hotel room is booked. Jeff noted that there could be a conflict with the D.S.A.O. All Chapters meeting. Sid proposed that the meeting start at 12:30 p.m.
- 16.2 The next meeting of the L.D.C. will be 12:30 to 3:30 p.m. Thursday October 23, 2014 at the Holiday Inn on Stone Road in Guelph.
- 16.3 Pat will book the Shakespeare Arms for the Committee supper. **Action by Pat.**
- 16.4 Gerard Rood noted that he is involved with a drainage court case the week of the Conference and may have a conflict. Bill Dietrich offered to do the meeting minutes if Gerard is unable to attend the next meeting.
- 16.5 If was confirmed that the training session will be delayed for 1 year. Sid can do a survey next year for the training. Tim asked Pat to put a note on the L.D.C. website to advise that there is no training this year. Pat said that she will include the note in an email blast and update the web site. **Action by Pat.**

17.0 Adjournment

17.1 The meeting was adjourned at approximately 3:50 p.m. Moved by Bill Dietrich and seconded by Tony Peralta. Carried

Tim Oliver, Chairman

Gerard Rood, Secretary

Att.

OSPE LAND DRAINAGE COMMITTEE

JUNE 2014 MEETING

Date: Friday, June 6th 2014

Location: Ministry of Agriculture and Food Building

1 Stone Road, Guelph, Ontario, Boardroom 405

Time: 9:00 am – 3:00 pm

3.2 1:00 pm Office of Open Learning – Pat Shaver

Financial Statement – 45th Drainage Conference 2013

- Thursday Instructor Honoraria paid at \$60
- Committee travel expenses for June and October meetings paid
- Website Development fee is a one-time cost; yearly maintenance fees should be minimal
- Statement is \$10.00 in the negative

46th Drainage Conference Budget 2014

- Will create based on committee's decision for the Thursday program
- Suggest that the LDC contributes \$1000 to \$2000 annually to the Professor Ross W. Irwin Memorial Scholarship from the Drainage Conference revenue. We can ask that the Scholarship recipient provide a small presentation on their research or study interests.

Canadian Anti-Spam Legislation

- As of July 1, 2014, the Canadian Anti-Spam Legislation comes into effect. Commercial Electronic Messages (CEM) can only be sent to recipients who have provided consent
- We may send CEMs to previous conference and course participants for two years following a registration
- There is a two-year transition period to use previous contact lists. The Drainage Engineer list for the Thursday course may not be used in the future if the contacts have not previously registered for the course or provided consent to receive CEMs.

3.3 1:30 pm 46th Drainage Engineer's Conference 2013 – Topics & Speakers

Dates 2014

- Holiday Inn Guelph booked for Thursday and Friday, October 23 and 24, 2014
- Thursday Committee Meeting, 9:00 to Noon
- Thursday Course, Noon to 5:00 pm
- Tribunal Meeting, 7:00 to...
- Friday Conference, 9:00 to 4:30

Dates for 2015?

- Thursday and Friday, October 22 and 23, 2015 or
- Thursday and Friday, October 29 and 30, 2015?

Topic Suggestions from 2013 Conference Evaluations

- Urban municipal drains; Urban applications of Drainage Act
- Tiling contractor about processes that they undertake when approached by landowner to improve tiling of lands (2)
- Agronomy and its relationship with drainage.
- Social media and communication of drainage topics
- Water quality research and/or case studies (4)
- Nutrient movement/management in drains, nutrient loading and subsequent discharge (2)
- Case studies! (4) Keep the case studies and contractor mix, e.g., problems/trials and tribulations during construction, Holland Marsh case study.
- Innovations in drain design, implementation and maintenance(2)
- More construction-related or design-related material
- Natural Channel Design (2), erosion control
- SWM and the Drainage Act (2)
- More info on techniques for drainage as well as environmental mitigation measures
- Tile grants and IDIP Policies. Review.
- Climate change and implications for drain design criteria
- How to prevent invasive species while doing drain cleanouts – if you do get them....then what?
- Tribunal decisions
- Presentation by new or International Drainage Engineers
- Attracting the next generation of drainage engineers. Training? Mentoring? Sub consulting?

What can we do to improve the conference?

- More examples on techniques that can be applied
- Try to get speakers to be more practical/concise. Keep high level to inform and teach
- Not convinced that the panel discussion is continuing to be effective. Might want to eliminate panel and add more speakers/presentations.
- Wrapping up before 4pm on a Friday is helpful. Do we look at another weekday?
- Shorter breaks. No need for panel discussion when questions are allowed after presentations. The day could end earlier
- Start at 8:30 am
- One less topic/speaker and give the attendees more time to visit the supplier tables.
- Great to combine with the course and committee meeting.
- Would be nice for evaluation to ask question about effectiveness eg. Will you change something in your job as a result of what you learned today?