**Hamilton Harbour Remedial Action Plan**

Randle Reef Sediment Remediation Project Community Liaison Committee (CLC)

**Meeting #2**

**DATE:** Wednesday, November 25, 2015  
**TIME:** 6:30 – 8:30 pm  
**LOCATION:** Eva Rothwell Resource Centre, 460 Wentworth Street North, Hamilton

**Meeting Objectives:** Update on work to date and next quarter construction; history of selecting remedial option; review updated TOR; and “things I would like to know”.

**AGENDA**

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
<th>PRESENTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 PM</td>
<td>1. Welcome and Introductions (10 min)</td>
<td>Kristin O’Connor</td>
</tr>
<tr>
<td></td>
<td>a) Introduction of new members</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Introduction of Roger Santiago, Randle Reef Project Manager</td>
<td></td>
</tr>
<tr>
<td></td>
<td>c) CLC representatives name plates on table</td>
<td></td>
</tr>
<tr>
<td>6:40 PM</td>
<td>2. Meeting Summary from September 30, 2015 (10 min)</td>
<td>Kristin O’Connor</td>
</tr>
<tr>
<td></td>
<td>a) Review of meeting summary</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Action items (see following page)</td>
<td></td>
</tr>
<tr>
<td>6:50 PM</td>
<td>3. Randle Reef Sediment Remediation Project Construction (15 min)</td>
<td>Roger Santiago</td>
</tr>
<tr>
<td></td>
<td>a) Pier 15 work since last meeting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Proposed work during next quarter</td>
<td></td>
</tr>
<tr>
<td>7:05 PM</td>
<td>4. Short History of Selecting a Remediation Option (45 min)</td>
<td>John Hall &amp; others</td>
</tr>
<tr>
<td></td>
<td>a) From discovering the blob to finding the money ... steps along the way ... QUESTIONS</td>
<td></td>
</tr>
<tr>
<td>7:50 PM</td>
<td>5. Updated CLC Terms of Reference (10 min) (agenda attachment)</td>
<td>Kristin O’Connor</td>
</tr>
<tr>
<td></td>
<td>a) Review/revision</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b) Approval</td>
<td></td>
</tr>
<tr>
<td>8:00 PM</td>
<td>6. Things I Would Like to Know (15 min)</td>
<td>Kristin O’Connor</td>
</tr>
<tr>
<td></td>
<td>a) Review of list from meeting #1</td>
<td></td>
</tr>
<tr>
<td>8:15 PM</td>
<td>7. Next Meeting Dates - February 3, March 30 [revised date] (5 min)</td>
<td>Kristin O’Connor</td>
</tr>
<tr>
<td>8:20 PM</td>
<td>8. Other Business (10 min)</td>
<td>All Members</td>
</tr>
<tr>
<td>8:30 PM</td>
<td>9. Adjourn</td>
<td></td>
</tr>
</tbody>
</table>

File: P05 RA  
SUMMARY OF ACTIONS ITEMS FROM SEPTEMBER 30, 2015 MEETING

• **All groups** are asked to provide the HH RAP with any further edits/suggestions for the TOR by October 30, 2015. This includes suggestions for any groups that were missed in the initial invitations.  *[September 30, 2015]*

• **The HH RAP** will provide a final version of the TOR for members to review before the next meeting. *[September 30, 2015]*

• **All groups** are asked to inform the HHRAP Office by October 30, 2015 which is the preferred category for their group and whose name(s) should appear as member/alternate/FYI. Please provide any email addresses if adding contacts.  *[September 30, 2015]*
DATE: Wednesday, November 25, 2015
TIME: 6:30 – 8:30 pm
LOCATION: Eva Rothwell Resource Centre, 460 Wentworth Street North, Hamilton

Meeting Objectives: Update on work to date and next quarter construction; history of selecting remedial option; review updated TOR; and “things I would like to know”.

PRESENT:
ArceorMittal Dofasco
Bay Area Restoration Council (BARC)
Burlington Sailing and Boating Club
City of Burlington
City of Hamilton, Public Health Services
City of Hamilton, Public Works
Environment Canada

Hamilton Harbour Remedial Action Plan
Hamilton Industrial Environmental Association (HIEA)
Hamilton Wentworth Catholic District School Board
Homeside Hub/Community Planning Team
Keith Neighbourhood Hub
North End Neighbours (NEN)
Ontario Ministry of the Environment and Climate Change (OMO ECC)
Region of Halton
U. S. Steel Canada

REGRETS:
City of Hamilton, Planning
Clean Air Hamilton
Environment Hamilton
Eva Rothwell Resource Centre – Robert Land Community Association
Hamilton Chamber of Commerce
Hamilton Conservation Authority
Hamilton Port Authority
Industry Rep for Piers 11-15
LaSalle Park Marina Association
Mohawk College
United Steelworkers Local 1005
1. WELCOME AND INTRODUCTIONS

Kristin O’Connor welcomed everyone to this 2nd meeting of the Randle Reef CLC and led a round of introductions.

2. MEETING SUMMARY FROM SEPTEMBER 30, 2015

a) Review of meeting summary

There were no changes to the meeting summary as distributed. It was noted that members received a meeting summary with names listed; however the version on the website only lists the agencies. There was a verbal agreement from those in attendance that names can be listed on the website version of future meeting summaries.

POST MEETING ACTION: Kristin O’Connor will add a statement to every sign-in sheet indicating that attendees are aware that if they sign-in their names will appear on the meeting summaries which are published on the Randle Reef website. Attendees that forget or choose not to sign-in will not be listed. [November 25, 2015]

b) Action items

- All groups are asked to provide the HH RAP with any further edits/suggestions for the TOR by October 30, 2015. This includes suggestions for any groups that were missed in the initial invitations. [September 30, 2015] Status: Completed

- The HH RAP will provide a final version of the TOR for members to review before the next meeting. [September 30, 2015] Status: Completed

- All groups are asked to inform the HHRAP Office by October 30, 2015 which is the preferred category for their group and whose name(s) should appear as member/alternate/FYI. Please provide any email addresses if adding contacts. [September 30, 2015] Status: Completed. A membership listing was provided at the meeting. Some changes were noted and will be made.

  ACTION: Kristin O’Connor will circulate an updated membership list with the February 2016 agenda. [November 25, 2015]

3. RANDLE REEF SEDIMENT REMEDIATION PROJECT CONSTRUCTION (attachment)

Roger Santiago presented an update on the Pier 15 construction. The work is on track and should be completed by May 2016. There was some discussion and questions about the truck routes and number of vehicles. Old fill material on site has been tested and trucked off-site to be used as fill at Pier 22. New granular material will be trucked in until about the 3rd week of December with about 14 trucks/day expected. This will be stronger material than what was removed. Stormwater management plans at Pier 15 were discussed. The re-construction of the Pier 15 dock wall does not involve the alteration of any existing Pier 15 systems, beyond the replacement of the wall. That part
of the site will continue to be graded in a way that stormwater runoff will shed directly into the Harbour, not to the City’s stormwater collection system.

4. **SHORT HISTORY OF SELECTING A REMEDIATION OPTION** *(2 attachments)*

John Hall began with a presentation which covered the history of the Hamilton Harbour Remedial Action Plans (RAP) with some current status. The history of the Randle Reef site from finding the “blob” in the 1980s was taken through to the 2002 Project Advisory Group (PAG) recommendation to construct an environmental containment facility (ECF).

Roger Santiago then continued with a presentation which covered the engineering design from the 2003 completed conceptual design through to the 2015 re-tender of Stage 1. In the interest of time and to allow for a fulsome presentation and discussion, information on the Environmental Assessment for Randle Reef was deferred.

5. **UPDATED CLC TERMS OF REFERENCE** *(attachment)*

The portions of the Terms of Reference that had been updated were highlighted.

- **Membership.** Groups that had been invited, but have not responded or have declined to participate have been removed. McMaster University will be added back in to the list.
- **Roles and Responsibilities.** The email address for contacting the HH RAP Office was changed.
- **Meeting Schedule.** It now reflects future plans for quarterly meetings, a corrected meeting location address, meeting start and end times, and a commitment to have meeting summaries emailed within two weeks of the meeting.
- **Review of Terms of Reference.** This is a new section which states the Terms of Reference should be reviewed and updated each fall.

The updates to the Terms of Reference were accepted.

**ACTION:** Kristin O’Connor will circulate the final update of the Terms of Reference with the November 2015 meeting summary. *[November 25, 2015]*

6. **THINGS I WOULD LIKE TO KNOW** *(attachment)*

A list of eight questions raised at the September 2015 meeting was provided in a handout. A brief answer to each was provided when possible. This was well received and will be continued in the future (see the end of the agenda for this meeting’s questions). Attendees are encouraged to post their questions at the meeting or email them in the HH RAP Office.
7. NEXT MEETING DATES

The next two meetings will remain on a bimonthly schedule with future quarterly meeting dates suggested later. Microsoft Outlook Calendar requests will be sent from the HH RAP Office once the dates below are confirmed.

Wednesday, February 3, 2016  6:30-8:30 pm  Eva Rothwell Resource Centre
Wednesday, March 30, 2016  6:30-8:30 pm  Eva Rothwell Resource Centre

**ACTION:** The HH RAP Office will send out Microsoft Outlook Calendar requests to members and alternates for the February and March 2016 meetings. Email notifications will be sent to FYIs.  

*November 25, 2015*

8. OTHER BUSINESS

No other business was raised.

9. ADJOURN

The meeting adjourned at 8:30 pm.

---

“THINGS I WOULD LIKE TO KNOW” INPUT FROM NOVEMBER 25, 2015 MEETING

- Could we get some information on the contaminants such as PAH-N? (e.g. origin, human health concerns, etc.)
- What is the point of the minimal green space shown on the updated tender design?
- Can a depth chart be shown for this area of the Harbour?
- How will the community be alerted if there are air emission problems?
- What will PAH do to my health if it gets into the air? How far will it travel?
- How will air emission concerns be dealt with during the mechanical dredging between the two walls of the ECF?
- What are the plans for stormwater management with these projects?
- Will we be able to still get the steel for the ECF given the troubles at U. S. Steel Canada?
- What is the maintenance plan for the ECF once it is completed?
SUMMARY OF ACTIONS ITEMS FROM NOVEMBER 25, 2015 MEETING

1. Kristin O’Connor will add a statement to every sign-in sheet indicating that attendees are aware that if they sign-in their names will appear on the meeting summaries which are published on the Randle Reef website. Attendees that forget or choose not to sign-in will not be listed. [November 25, 2015]

2. Kristin O’Connor will circulate an updated membership list with the February 2016 agenda. [November 25, 2015]

3. Kristin O’Connor will circulate the final update of the Terms of Reference with the November 2015 meeting summary. [November 25, 2015]

4. The HH RAP Office will send out Microsoft Outlook Calendar requests to members and alternates for the February and March 2016 meetings. Email notifications will be sent to FYIs. [November 25, 2015]
Randle Reef Sediment Remediation Project – Pier 15 Construction Update

Roger Santiago
Head, Sediment Remediation Unit
Environment Canada

November 25, 2015
View of pile driving with the vibratory hammer
View of impact hammer driving piles to grade
View of piles driven to grade being cut off.
View of excavation behind the old concrete parapet to allow concrete demolition.
View of demolition of old concrete parapet
View of demolition of the old concrete parapet.
View of excavated broken cast in place concrete and granular fill
View of concrete block being broken for fill
View of excavation behind the new steel sheet pile wall
View of old timber sheet pile wall under the water.
View of wale beam installation
View of wale bolts being installed through the double channel wale.
View of excavation for tie rod placement at the east end of the site
View of excavation for tie rod placement at the east end of the site
View of an anchor block being poured in a form at Acton precast
Hamilton Harbour Remedial Action Plan

Lake Ontario, Canada
Areas of Concern

[Map of the Great Lakes region showing various areas of concern and relevant waterways and coastlines.]
Hamilton Harbour AOC...
...Current Governance

- International Joint Commission
- Canada - Ontario Agreement
- Hamilton Harbour RAP

RAP Forum

BARC

BAIT
Hamilton Harbour Watershed
Harbour infilling

25% of surface
(area infilled shown in brown)
Progress...

Water Quality
Toxic Contamination
Fish & Wildlife
Urbanization & Land Management
Public Access
Community Involvement

...Bringing Back the Bay...
Randle Reef Project Site
Randle Reef Initial Consideration

• 1996
  – Review of possible remediation options
  – Option selected was to remove the most contaminated sediment and dispose off site (~20,000 m³)
  – It was decided that re-use of the material was preferred

• 1999
  – The sinter plant alternative explored
  – Remediate ~20,000 m³ of the most contaminated sediment use as sinter plant feedstock in Stelco operations
  – Due to public concerns, this option was abandoned (primarily air quality concerns)
Randle Reef Project Site
Randle Reef
Total PAH - Naphthalene for 1996 and 1997 Data

Legend
(μg/g)
- < 300 ppm
- 300 - < 500 ppm
- 500 - < 700 ppm
- 700 - < 800 ppm
- 800 - < 900 ppm
- > 900 ppm

Original proposed dredge boundary
Current zone of interest
Randle Reef Project Advisory Group  
(convened September 2001)

- Multi-stakeholder group
  - local community associations, federal/provincial government agencies, City of Hamilton, City of Burlington, Hamilton Conservation Authority, Hamilton Port Authority, Stelco Inc., Local 1005 of the United Steel Workers of America, BARC, Great Lakes United, Clean Air Hamilton, consultants

- Evaluate range of remediation options
- Recommend preferred option
Dealing with Contaminated Sediment: General Remedial Options

**In-Situ Options:**
- Natural recovery
- *In-Situ* Treatment
- Subaqueous Cap
- Dry Cap

**Ex-Situ Options:**
- Removal with direct Disposal
- Removal with pre-treatment and/or treatment followed by Disposal or Re-Use
PAG Recommendation
May 2002

- Construction of Environmental Containment Facility (ECF) that optimized containing in place the majority of sediments (>800ppm PAH-N) in the area of Randle Reef and
- dredging and placing in the ECF other sediment (200-800ppm PAH-N) from the area surrounding Randle Reef
Randle Reef Sediment Remediation Project - Engineering Design and Environmental Assessment

Roger Santiago
Head, Sediment Remediation Unit
Environment Canada

November 25, 2015
Major Milestone Reached – Engineering Design

**2003:** Completed Conceptual Design

**2006:** 30% Engineering Design (7.5 Ha. ECF and 1.5 Ha. 2nd ECF)
- Cost Estimate $90M

**2008:** 95% Engineering Design (7.5 Ha. ECF)
- Cost Estimate $105M

**2011:** 99% Engineering Design (7.5 Ha. ECF)
- Cost Estimate $138.9M

**2012:** Peer Review conducted on Engineering Design

**2014:** Tender Stage 1 (7.5 Ha. ECF Construction) unsuccessful bid

**2015:** Re-Tender Stage 1 (6.2 Ha. ECF Construction) award of contracts
The PAG recommended in-situ containment by isolation structure:

- Cost-effective solution
- Offers the potential to address other acutely toxic sediments in the harbour (i.e. achieve a larger-scale cleanup)
- Low technological risk
- Provides greater opportunity for partnership resources
Option 1 was selected since long term owner (HPA) was possible and greater partnership resources; Steel from USSC and monitoring/maintenance from HPA.
2006 30% Engineering Design

6 Design Elements were developed:
- Engineered Containment Facility (ECF) isolation structures
- Dredging design
- Sediment management (dewatering & effluent discharge)
- ECF capping & closure
- U.S. Steel Canada (formerly Stelco) I/O accommodation
- Port facilities
30% Engineering Design

The 30% design included a 2nd smaller ECF structure.
Why Clean Up Randle Reef?

**Environmental Benefits**
- preserve health of harbour;
- improve fish and wildlife habitat;
- reduce spread of contaminants through the harbour; and
- essential to delisting Hamilton Harbour as an Area of Concern.

**Economical & Social Benefits**
- estimate of $126M (2006) in economic impact to the community (job creation, business development, tourism);
- enhances recreational opportunities (beaches, boating, fishing);
- enhances shipping and port facilities;
- promotes a positive image of the harbour; and community as a place to live and work.
2008 95% Engineering Design

Additional engineering and scientific evaluations in these areas:

- geotechnical design analyses;
- structural design calculations for the primary and secondary ECFs;
- dredging design;
- sediment management;
- air emissions control;
- groundwater fate and transport modeling;
- ECF capping and closure;
- ECF grading and drainage;
- Storm water management and utility design;
- U.S. Steel I/O accommodation;
- marine terminal;
- landscape design; and
- hydraulic analysis of ECF impact.
95% Engineering Design

Structural  Dredge Design  Consolidation  Geotechnical
95% Engineering Design

Additional analyses included:

• A risk assessment,
• Sustainable development analysis,
• Updated cost estimates,
• Construction monitoring plan,
• Construction sequence and schedule,
• Long-term operation, maintenance and monitoring plan for post-construction.
2011 99% Engineering Design

- Draft Specifications and Drawings which would form the basis of the eventual bid documents were developed.
- The current and final pre tender cost estimate was developed and funding requirements determined based upon this estimate.
- A Peer Review was conducted in 2012 on this design package and costing by Worley Parsons on behalf of Public Works and Government Services Canada (PWGSC).
The Randle Reef Project was split into three stages to be tendered separately.

Stage 1, the construction of the Engineered Containment Facility (ECF), was tendered in 2014.

The Stage 1 tender included re-construction of the Pier 15 East dock wall (to allow dredging in this area).

Two contracts were tendered by PWGSC;
- A Construction Engineer, and;
- A Construction Contract.

All bids received on the construction contract were significantly over budget. The project could not be awarded.
Tender Stage 1

ECF construction work area

Pier 15 reconstruction area

ECF construction staging area
2015 Re- Tender Stage 1

• After the unsuccessful Stage 1 tender of 2014 the Randle Reef Project had to be re-designed in order to meet the environmental objectives within the allocated resources.
• PWGSC held an Industry Day to gain feedback from industry and contractors on the project design, tendering and timeline.
• EC, HPA and the design engineer completed further sampling and design revision in order to achieve savings. This included a reduced ECF size (6.2 ha).
Re- Tender Stage 1

- The Pier 15 re-construction was split from the Stage 1 ECF contract and tendered separately by the HPA.
- US Steel Canada agreed to contract out the fabrication of steel (provided by their mill) into the steel sheet pile required for the ECF construction;
- The HPA completed the paving and fencing of the ECF staging area in advance of the start of ECF.
Re- Tender Stage 1

New ECF configuration – 6.2 ha. ECF

Five contracts were successfully tendered for Stage 1 in 2015;
• Steel Fabrication
• Pier 15 re-construction
• Pier 15 construction Engineer
• ECF construction
• ECF construction Engineer
Major Milestone Reached - Communication

Public Engagement & Consultation

Prior to 2002: Individual meetings were held with key stakeholders

2002: The conceptual design was presented to the PAG

2003: The conceptual design was presented to the HPA tenants and public open house on CSR

2007: The 30% engineering design was presented to the PAG

2008: A project update to the PAG on the engineering design, comprehensive study (CEAA) and schedule and Public open house on CSR

2011: Randle Reef public meeting facilitated by Bay Area Restoration Council

2013: Public meeting and Minister Sign off on CSR
The End

Roger Santiago
Head, Sediment Remediation Unit
Environment Canada

Tel: 416-739-5876
E-mail: roger.santiago@canada.ca
Introduction: It is intended that the Randle Reef Sediment Remediation Project will be a well-run construction project that results in a major environmental benefit for Hamilton Harbour. Our community has an established history of engagement to ensure projects and operations are carried out in a manner sensitive to and respectful of community needs. With this in mind, it was proposed to establish a Community Liaison Committee (CLC) for the Randle Reef Sediment Remediation Project.

Purpose: The Randle Reef Sediment Remediation Project CLC is a forum for the dissemination and exchange of information, discussion and the provision of input into the various components and aspects of construction that may affect the community. CLC meetings will be a place where issues can be raised and suggestions made to ensure the effect of this construction project on the surrounding community is minimized.

The CLC will form the basis of a collaborative ongoing relationship among the participants and the community.

Membership: The CLC will contain invited representatives from government and agencies involved with the various aspects of this remediation project along with invited representatives from environmental and community groups with an interest in this project and in proximity to the construction site.

1. ArcelorMittal Dofasco
2. Bay Area Restoration Council (BARC)
3. Burlington Sailing and Boating Club
4. City of Burlington
5. City of Hamilton (Planning, Public Health Services, and Public Works)
6. Clean Air Hamilton
7. Environment Canada
8. Environment Hamilton
10. Hamilton Chamber of Commerce
11. Hamilton Conservation Authority
12. Hamilton Industrial Environmental Association (HIEA)
13. Hamilton Port Authority
14. Hamilton Wentworth Catholic District School Board (St. Brigid and St. Ann Schools)
15. Homeside Hub/Community Planning Team
16. Industrial Representative for Piers 10-15
17. Keith Neighbourhood Hub
18. LaSalle Park Marina Association
19. McMaster University
20. Mohawk College
21. North End Neighbours (NEN)
22. Ontario Ministry of the Environment and Climate Change (OMOECC)
23. Region of Halton (Planning and Sustainability)
24. U. S. Steel Canada
25. United Steelworkers Local 1005
Roles and Responsibilities: The CLC is a volunteer committee representing the environmental and community interests. It will act as an advisory group assisting the project administration at the CLC meetings and providing for a connection with the community for the dissemination of information both from the project to the community and from the community to the project.

As an advisory group, it will normally try to reach consensus (significant majority) with respect to any advice it provides to the project administrators.

The Hamilton Harbour Remedial Action Plan Office will act as secretariat for the CLC scheduling meetings, preparing agendas and meeting summaries, and acting as a conduit between the CLC and the projects administration. The HHRAP Coordinator or Assistant Coordinator will act as Facilitator for the meetings. It will be the responsibility of the Facilitator to ensure the meetings are conducted in an efficient, professional and collaborative manner. Contact with the HHRAP Office will normally be via Annmarie Benoit annmarie.benoit@canada.ca tel: (905) 336-6279.

Committee members will:
- be responsible for representing their stakeholder group;
- be respectful of the opinion of each member;
- engage in a positive dialogue when reviewing any matter before the CLC;
- endeavor to fully understand any matter discussed to enable a fully informed discussion;
- communicate meeting information with their own stakeholder group.

Meeting Schedule: Meetings will be held bimonthly from September 2015 – March 2016 and quarterly after March 2016 or as determined to be required by the CLC. The normal meeting location will be the Eva Rothwell Resource Centre, 460 Wentworth St. North, Hamilton. The normal meeting start and end times will be 6:30 pm – 8:30 pm. Meeting summaries will be emailed to members within two weeks of the meeting and posted on the BARC website in a timely manner (www.randlereef.ca).

Review of Terms of Reference: This Terms of Reference will be reviewed and updated as needed by the CLC members as part of the fall meeting agenda each year.
### “THINGS I WOULD LIKE TO KNOW”
Follow-up on questions from September 30, 2015

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Could the CLC visit the site?</td>
</tr>
<tr>
<td></td>
<td>We will see about arranging for a visit in conjunction with a CLC meeting in 2016.</td>
</tr>
<tr>
<td>2.</td>
<td>a) Mohawk College would welcome a high level presentation to environmental students.</td>
</tr>
<tr>
<td></td>
<td>Groups interested in having a presentation are asked to submit a request by email to <a href="mailto:Kristin.OConnor@canada.ca">Kristin.OConnor@canada.ca</a> to help us track specific requests. Details about the audience and if there are timing considerations will be appreciated.</td>
</tr>
<tr>
<td></td>
<td>b) The two Catholic public schools would welcome presentations to their students.</td>
</tr>
<tr>
<td>3.</td>
<td>What are the expected truck routes?</td>
</tr>
<tr>
<td></td>
<td>Trucks will be using currently designated truck routes along QEW and Burlington Street. Some transportation needs may be able to be served by boats. What to expect will be part of regular CLC reporting by Roger Santiago.</td>
</tr>
<tr>
<td>4.</td>
<td>What are the connections between Randle Reef and HH RAP delisting?</td>
</tr>
<tr>
<td></td>
<td>This can be presented in more detail later. Toxic substances in the Harbour impact a number of beneficial uses including: degradation of benthos, wildlife deformities, and fish deformities.</td>
</tr>
<tr>
<td>5.</td>
<td>Can community groups bring both the member and alternate to meetings due to the transitory nature of their boards?</td>
</tr>
<tr>
<td></td>
<td>Yes. Some community groups will now show as having multiple alternates in the membership listing. Any group is welcome to bring their alternate(s); however, due to space considerations, there is likely not room at the main table.</td>
</tr>
<tr>
<td>6.</td>
<td>Would there be any interest in turning some of the future presentations into podcasts, etc? One of the members frequently does this with other meetings.</td>
</tr>
<tr>
<td></td>
<td>This would need to be discussed by the CLC.</td>
</tr>
<tr>
<td>7.</td>
<td>What is the life expectancy of the steel/box?</td>
</tr>
<tr>
<td></td>
<td>This will be presented in more detail later by Roger Santiago, but approximately 200 years.</td>
</tr>
<tr>
<td>8.</td>
<td>What was the difference between the first tender attempt and the second?</td>
</tr>
<tr>
<td></td>
<td>The size of the ECF was reduced and the shape reconfigured to be more efficient to build in order to bring costs down to fit the budget limit.</td>
</tr>
</tbody>
</table>