Hamilton Harbour Remedial Action Plan

RANDLE REEF SEDIMENT REMEDIATION PROJECT COMMUNITY LIAISON COMMITTEE (CLC)
MEETING #1

DATE: Wednesday, September 30, 2015
TIME: 6:30 – 8:30 pm
LOCATION: Eva Rothwell Resource Centre, 400 Wentworth Street North, Hamilton

Meeting Objectives: Introduce the purpose of a CLC, develop a Terms of Reference, adjust the membership list, and establish some future meeting dates and topics.

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 <em>(15 min)</em></td>
<td>John Hall</td>
</tr>
<tr>
<td></td>
<td>a) Introduction of Kristin O’Connor, Assistant RAP Coordinator</td>
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<tr>
<td></td>
<td>b) Introduction of Roger Santiago, Randle Reef Project Manager</td>
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<td></td>
<td>c) Introduction of CLC representatives</td>
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<tr>
<td>6:45 PM</td>
<td>2. Randle Reef Sediment Remediation Project 101 <em>(15 min)</em></td>
<td>Roger Santiago</td>
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<tr>
<td></td>
<td>a) Basic project information and status</td>
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<tr>
<td>7:00 PM</td>
<td>3. Preliminary Work Plan for CLC <em>(30 min)</em></td>
<td>John Hall</td>
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<tr>
<td></td>
<td>a) Overview of CLC Meetings From September –December 2015</td>
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<td>b) Meetings in 2016</td>
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<tr>
<td>7:30 PM</td>
<td>4. CLC Terms of Reference *(30 min) *(agenda attachment)</td>
<td>Kristin O’Connor</td>
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<tr>
<td></td>
<td>a) Review/revision</td>
<td></td>
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<td></td>
<td>b) Approval</td>
<td></td>
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<tr>
<td>8:00 PM</td>
<td>5. Committee Membership <em>(15 min)</em></td>
<td>Kristin O’Connor</td>
</tr>
<tr>
<td></td>
<td>a) Is anyone missing?</td>
<td></td>
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<tr>
<td></td>
<td>b) Does any group wish to drop out or become FYI?</td>
<td></td>
</tr>
<tr>
<td>8:15 PM</td>
<td>6. Next Meeting Dates, Location and Time <em>(5 min)</em></td>
<td>John Hall</td>
</tr>
<tr>
<td>8:20 PM</td>
<td>7. Other Business <em>(10 min)</em></td>
<td>All Members</td>
</tr>
<tr>
<td>8:30 PM</td>
<td>8. Adjourn</td>
<td></td>
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</table>
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 representatives from government and agencies involved with the various aspects of this remediation project along with representatives from environmental and community groups with an interest in this project and in proximity to the construction site.

The initial groups invited include:
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. Crown Point Community Planning Team
8. Environment Canada
9. Environment Hamilton
11. Hamilton Beach Community Council
12. Hamilton Chamber of Commerce
13. Hamilton Conservation Authority
14. Hamilton Industrial Environmental Association (HIEA)
15. Hamilton Port Authority
16. Hamilton Wentworth Catholic District School Board
17. Hamilton Wentworth District School Board
18. Homeside Hub/Community Planning Team
19. Industrial Representative for Piers 10-15
20. Keith Neighbourhood Hub
21. LaSalle Park Marina Association
22. McMaster University
23. McQuesten Community Planning Team
24. Mohawk College
25. Ontario Ministry of the Environment and Climate Change (OMOECC)
26. Progressive North End Residents Association
27. Region of Halton (Planning and Sustainability)
28. Sherman Neighbourhood Hub
29. The North End Neighbours (NEN)
30. U. S. Steel Canada
31. 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@ec.gc.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: Initially meetings will be held bimonthly or as determined to be required by the CLC. The normal meeting location will be the Eva Rothwell Resource Centre, 400 Wentworth St. North, Hamilton. Meeting summaries will be posted on the BARC website (www.randlerreef.ca).
Hamilton Harbour Remedial Action Plan

RANDLE REEF SEDIMENT REMEDIATION PROJECT COMMUNITY LIAISON COMMITTEE (RR CLC)
MEETING #1 SUMMARY

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

Meeting Objectives: Introduce the purpose of a CLC, develop a Terms of Reference, adjust the membership list, and establish some future meeting dates and topics.

PRESENT:
ArcelorMittal Dofasco
Bay Area Restoration Council (BARC)
Burlington Sailing and Boating Club
City of Burlington
City of Hamilton, Public Health Services
Clean Air Hamilton
Environment Canada
Hamilton Chamber of Commerce
Hamilton Conservation Authority
Hamilton Industrial Environmental Association (HIEA)
Hamilton Port Authority (HPA)
Hamilton Wentworth Catholic District School Board, St Brigid School
Homeside Hub/Community Planning Team
Industry Rep for Piers 11-15
Keith Neighbourhood Hub
LaSalle Park Marina Association
Mohawk College
Ontario Ministry of the Environment and Climate Change (OMOECC)
Region of Halton
The North End Neighbours (NEN)
U. S. Steel Canada
United Steelworkers Local 1005

ALTERNATES/RESOURCE/FYI:
Environment Canada
Hamilton Harbour Remedial Action Plan
Hamilton Wentworth Catholic District School Board, St Brigid School
The North End Neighbours (NEN)
1. WELCOME AND INTRODUCTIONS

John Hall introduced himself as the Hamilton Harbour Remedial Action Plan (HH RAP) Coordinator. He will serve as today's facilitator and will continue to assist with future facilitation and provide a historical perspective of the project.

Kristin O’Connor was introduced as the Assistant Coordinator from the HH RAP. She will serve as the primary facilitator for the RR CLC due to the expected length of this project (~ 8 years).

Roger Santiago was introduced as the Randle Reef Project Manager from Environment Canada. He will be the main source of information to the CLC.

2. RANDLE REEF SEDIMENT REMEDIATION PROJECT 101 (meeting summary attachment)

A high-level presentation was given to cover basic project information and status. Pictures of the current work on the reconstruction of Pier 15 were shown.

[NOTE: An attempt will always be made to provide copies of presentations made to the CLC.]

3. PRELIMINARY WORK PLAN FOR CLC (meeting summary attachment – Items 3-6)

Agenda outlines for the next three meetings were presented.
- Meeting #2: A Little History
- Meeting #3: Getting into the Dirt and Details
- Meeting #4: Moving to Construction

4. CLC TERMS OF REFERENCE (agenda attachment)

The draft Terms of Reference (TOR) was reviewed and explained. This TOR is designed to be a living document that can be updated when necessary. Discussion included:
- Committing to a date for circulation of meeting summaries (e.g. 2 weeks, no more than 1 month, timely manner)
- Quarterly vs bimonthly meeting frequency
- Invitation only vs meetings open to the public
- Location of meetings (e.g. Eva Rothwell, CCIW)
- Appointing a media person for the CLC (e.g. Chris McLaughlin from BARC)
- Have all the appropriate groups been invited?
- Adding a TOR Review annually to a fall meeting agenda (e.g. September 2016).

**ACTION:** 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.
**ACTION:** The HH RAP will provide a final version of the TOR for members to review before the next meeting.

5. **COMMITTEE MEMBERSHIP**

Attendees were made aware of four potential categories for the RR CLC: member, alternate, FYI, or to be removed from the list.

- **Members** would attend meetings and receive emails
- **Alternates** would attend meetings when the member cannot and receive emails
- **FYI** would not usually attend meetings, but would receive emails
- **Remove group** would mean no further communication about this project would be directly disseminated to them; however, information will always be available on the www.randlereef.ca website.

Alternates and FYIs are welcome to attend meetings; however due to space availability at the table they may be asked to sit around the periphery of the room.

**ACTION:** 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.

6. **NEXT MEETING DATES, LOCATION AND TIME**

The next three meetings will remain on a bimonthly schedule in order to provide the history and project background pieces before work begins on the ECF (the “box”) in Spring 2016. This frequency will be re-examined in March 2016 to see if quarterly is more appropriate.

- Wednesday, November 25, 2015 6:30-8:30 pm  Eva Rothwell Resource Centre
- Wednesday, February 3, 2016 6:30-8:30 pm  Eva Rothwell Resource Centre
- Wednesday, March 23, 2016 6:30-8:30 pm  Eva Rothwell Resource Centre

7. **OTHER BUSINESS**

No other business was raised.

8. **ADJOURN**

The meeting adjourned at 8:00 pm.
“THINGS I WOULD LIKE TO KNOW” INPUT

- Could the CLC visit the site?
- Mohawk College would welcome a high level presentation to environmental students
- The two Catholic public schools would welcome presentations to their students
- What are the expected truck routes?
- What are the connections between Randle Reef and HH RAP delisting?
- Can community groups bring both the member and alternate to meetings due to the transitory nature of their boards?
- 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.
- What is the life expectancy of the steel/box?
- What was the difference between the first tender attempt and the second?

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]
Randle Reef Sediment Remediation Overview
Community Liaison Meeting

September 30 2015
Hamilton Harbour

Randle Reef Project Site

USS
Randle Reef – Sediment Contamination

- Randle Reef is the largest and most severely contaminated sediment site in Canada
  - 150 years of contamination make it impossible to apply polluter pay principle
  - Historic operation of coal gasification plants and steel operations contributing sources;
- Polycyclic Aromatic Hydrocarbons (PAHs) are key contaminant of concern
  - linked to cancer in humans;
  - suspected of causing developmental and reproductive deformities in fish and wildlife.
- Volume of sediment requiring management is 695,000 m$^3$. 
Remedial Approach

8 years to complete:
2015-2022

- Dredging (hydraulic & mechanical)
- Containment
- Capping

$138.9M
Project Funding

Environment Canada: $46.3M
Ontario Ministry of the Environment: $46.3M
Local Funding Partners: $46.3M

Total: $138.9M

Local Funding Partners:
1. U.S. Steel
2. City of Hamilton
3. Hamilton Port Authority
4. City of Burlington
5. Region of Halton
Sediment Project Components

• Construct a 6.2 hectare Engineered Containment Facility (ECF) over the most highly contaminated sediment (140,000 m$^3$ in-situ);
• Using a combination of hydraulic and mechanical dredging, remove 445,000 m$^3$ and place within ECF;
• Thin Layer Capping of 105,000 m$^3$ of marginally contaminated sediment
• Cap U.S. Steel Intake/Outfall Channel sediments 5,000 m$^3$
• Cap ECF and construct a port facility.
• Total sediment management of 695,000 m$^3$
Dredging Sequence
Project Structure

Stage 1 - Steel Fabrication
- Pier 15 reconstruction
- ECF Construction

Stage 2 – Dredging & Sediment Management
Stage 3 – Dewatering and Capping the ECF

Contractors

Stage 1
Stage 2
Stage 3

Site Supervision
Consultants

Stage 1
Stage 2 & 3

Independent
Engineer

Stage 1, 2 & 3
<table>
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<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Stage 1 Contract Award</td>
<td>July 2015</td>
</tr>
<tr>
<td>Pier 15 Construction begins</td>
<td>September 2015</td>
</tr>
<tr>
<td>Stage 1 ECF Construction begins</td>
<td>April 2016</td>
</tr>
<tr>
<td>Complete Pier 15 Construction</td>
<td>June 2016</td>
</tr>
<tr>
<td>Complete ECF Construction</td>
<td>December 2017</td>
</tr>
<tr>
<td>Stage 2 Dredging begins</td>
<td>April 2018</td>
</tr>
<tr>
<td>Complete Stage 2 Dredging</td>
<td>November 2019</td>
</tr>
<tr>
<td>Stage 3 ECF Capping begins</td>
<td>December 2019</td>
</tr>
<tr>
<td>Complete Stage 3 ECF Capping</td>
<td>June 2022</td>
</tr>
<tr>
<td>Long Term Monitoring</td>
<td>Summer 2022</td>
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**Randle Reef – Schedule**
Stage 1 Pier 15 Update
Unloading Sheet-pile
Preparing the guide for pile-driving
Raising Sheet-pile prior to placement in guide
Placement in guide
Threading sheet-pile interlock to neighbouring pile
Threading sheet-pile again
Driving with vibratory hammer
Driving again
Driven piles. Excess will be cut-off.
Completion of driving
The End

Roger Santiago
Head, Sediment Remediation Unit
E-mail: roger.santiago@ec.gc.ca
Randle Reef CLC
All Meetings

**Update on Progress of Work to Date**
- Work Completed
- Upcoming Work
  - Potential Impacts
    - Water
    - Air
    - Noise
    - Traffic

Randle Reef CLC
Meeting #2

**A Little History**
- Discovering the Blob
- Choosing what to do…
  - 1st Try… Sinter Plant
  - 2nd Try… Project Advisory Group
- Alternatives considered
- Recommended Option
- Environmental Assessment and Detailed Design
- Finding the Money
Randle Reef CLC Meeting #3

Getting into the Dirt and Details

- Sediment science
- Stage 1 - Building the “box”
- Stage 2 - Filling the “box”
- Stage 3 - Putting a lid on the “box”
- Long Term Monitoring

Randle Reef CLC Meeting #4

Moving to Construction

- Partners
- Roles and Responsibilities
- Contracting
- Communications
- Health and Safety
CLC Membership

<table>
<thead>
<tr>
<th>Category</th>
<th>Attends Meetings</th>
<th>Receives Emails</th>
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<tbody>
<tr>
<td>Member</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Alternate</td>
<td>Sometimes</td>
<td>Yes</td>
</tr>
<tr>
<td>FYI</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Remove group</td>
<td>No</td>
<td>No</td>
</tr>
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</table>

Randle Reef CLC
Proposed Future Meeting Dates

Meeting #2: Wednesday, November 25, 2015
Meeting #3: Wednesday, February 3, 2016
Meeting #4: Wednesday, March 23, 2016

Location: Eva Rothwell Resource Centre
Time: 6:30 – 8:30 pm