

**Chemtrade Logistics-ERCO Worldwide-Univar Canada-Terrapure Environmental
North Shore Community Advisory Panel (CAP)
MEETING SUMMARY NOTES**

Terrapure Environmental, 130 Forester Street, North Vancouver

4:45pm Tour/5:30 pm Dinner/Meeting 6:00 pm to 8:00 pm

Tuesday, April 3, 2018

Attendance

Robin Lee, Univar
Steve Spence, Terrapure Environmental
Martin Mankowski, Terrapure Environmental
Rob Schultz, Chemtrade Logistics
Tom Miller, ERCO Worldwide
Helene Holt, ERCO Worldwide
Fiona Dercole, NSEM
Jocelyn Hewson, NSEM
Mairi Welman, DNV
Kevin Bell, Wild Bird Trust
John Miller, Lower Capilano Residents Association
Tracey Godin, Miles Industries
Chris Bond, Miles Industries
Dave Mair, Resident
Val Hammerberg, Maplewood Area Community Association (MACC)
Stuart Porter-Hogan, MACC
Sharon Porter, Resident
Babs Perowne, NV Can
Cathy Campbell, Responsible Distribution Canada
Corrie Kost, Edgemont to Upper Cap Community Association (EUCCA)
Angus McDonald

Regrets

Anastasia Ovodova , Port of Vancouver
Duncan Webb, Port of Vancouver
Cathy Brydon, Resident
Carleen Thomas, Wild Bird Trust
Lisa Richardson, Resident

1. Introductions

CAP members introduced themselves and welcomed guests attending CAP for the first time, including Cathy Campbell from Responsible Distribution Canada. CAP members expressed appreciation for the informative Terrapure Environmental tour.

2. Community Safety and CAP Communications

Companies Update on Potential Internal System Modifications

Tom Miller from ERCO reported that a plant working group was discussing possibilities to modify the external horn to make it quieter or a shorter duration or eliminate it altogether. They are deciding whether to make it more localized or go through radios. CAP members will be updated on the decision either by the June or September CAP meeting.

Rob Schultz from Chemtrade Logistics reported that a change to their internal system would be too onerous. However, Rapid Notify will be activated if the horn goes off. This will be zone wide instead of only an alert to Chemtrade's neighbours, as previously the case. In response to a CAP member's question, Rob clarified that their warning systems are both human and sensor activated. The only sensors that are automatically activated are related to fire. All other sensors are activated manually.

Robin Lee from Univar reported that they will test their system to do a muster, ie. a general siren that will go off for a maximum of 5 seconds. They have not changed anything, but are more conscious of the effect of the siren on their neighbours. They would communicate on their website and to their neighbours to the east as they would smell alcohol if they lost an ethanol rail car. Robin noted that engineering controls are the most important when looking at worst case scenarios. She noted that Univar would not load a truck if a high level probe was not working. This is an individual decision based on the company and is about risk management.

Steve Spence from Terrapure Environmental clarified that they have both audible and visual alarms. Terrapure does mock emergencies 2-3 times per year, where the emergency horn goes for 2-3 minutes. They will now inform NSEM when they do this as well as inform a broader group of neighbours rather than only their immediate neighbours.

Cathy Campbell from Responsible Distribution Canada informed CAP members that a company in Toronto had decided not to sell their product because the worst case

scenario was too risky. There are various levels of provincial and federal requirements for Responsible Care.

A CAP member suggested creating a 4-6 page Health and Safety pamphlet with some information about the chemical companies included. It was pointed out that the welcome packages for new CAP members would cover this and people could be directed to the companies' websites for more information. Also, another CAP member mentioned creating a pamphlet like this could create the perception of greater risk than there is.

A suggestion was made to create a 4 page newsletter which would include the CAP one pager and 3 pages of community association content. This would be distributed to 1,000 Maplewood area homes.

The one pager would be distributed in public places in the Maplewood area. The one pager could also be available at NSEM events.

A suggestion was made to shorten the link to the CAP content on the DNV website. The facilitator will need to check with DNV whether this is possible.

NSEM Draft Communications Strategy

Fiona Dercole from NSEM and Mairi Welman from DNV presented CAP members with a communications strategy for a Public Awareness Campaign. This includes key messages about hazards specific to Maplewood, encouraging residents to sign up for Rapid Notify and what to do if they receive a shelter-in-place notification; updates to the NSEM website and social media; a video with general emergency preparedness information, an explanation of Rapid Notify and how to sign up and details on how to shelter-in-place and a call to action at the end; posters and postcards; a new resident information package including a welcome letter, postcard and shelter-in-place sticker.

Please see the attached document for further details.

Fiona clarified that the postcard distribution can be repeated anytime beyond Emergency Preparedness week, and that the welcome packages will be provided as new developments go up.

CAP members were encouraged to think about the information and provide any feedback to Mairi within the next week via email.

Rapid Notify Test

Fiona clarified that any of the industries could request NSEM to send a Rapid Notify message or post on their website. NSEM has staff available 24/7.

Rob Schultz (Chemtrade) clarified that for Rapid Notify, the phone numbers are put into blocks of areas or distribution lists. The Rapid Notify test for CAP members was unable to be conducted during this CAP meeting as Tony Gutenberg, the person designated to make changes to the distribution lists, was away. The test would be conducted during

Emergency Preparedness week in May. Members were asked to send their phone number to the CAP facilitator if they had not done so already and wanted to be part of the test, and a new CAP member distribution list would be created for the test. Rob would inform the facilitator of the test date. A second step could be a neighbourhood wide test that would be done and coordinated by NSEM. Information warning residents of the test could be included in the postcard. The Rapid Notify system could be tested annually during Emergency Preparedness week. In response to a member's question about reliability of the system if the person designated (Tony) is away, Rob clarified that anyone at Chemtrade or NSEM can activate the system, but only Tony can modify distribution lists.

In response to a member's question about the educational information being multilingual, Fiona clarified that there would be a line stating that the information is important and asking someone to translate. She informed CAP members that the National Public alerting system mentioned at the last meeting is set up but municipalities will only have access to this possibly at the end of 2019, and only then will be activated through the province at the request of the municipality.

In the case of a prolonged industrial alarm, there would need to be protocol about the definition of this, when it would trigger Rapid Notify, as well as protocol about communication between NSEM and the companies. The development of this protocol can be facilitated through CAP.

3. CAP Outreach

CAP members reviewed the revised one pager and suggested some final edits, such as removing "Lower Lynn" from the title as well as adding in the community association logos. The facilitator will make these edits and finalize the one pager.

4. Reports from the Companies:

a) Chemtrade

Rob Schultz reported that there have been no safety, environmental, security or transportation incidents since the last CAP meeting. On March 3rd, Transport Canada conducted a Marine Security Audit. This was completed with no findings or action items.

As part of Responsible Care in the Community, Chemtrade will again hold a tour for local teachers on February 23rd as part of a Professional Development day.

Due to limited railcar supply from CN, the plant is currently operating at reduced production rates. The plant will shut down from April 12th to 26th for scheduled maintenance work.

b) ERCO Worldwide

Tom Miller reported that ERCO is in the final stages of planning for a two week plant shut down from April 9th to 23rd to allow for new capital installations and scheduled maintenance. The replacement of an old cell line rectifier transformer (circa 1991) and Crystallizer internal vessel repairs are the two major items planned during this time.

Tom noted that ERCO employees have worked 686 days since the last Recordable safety incident (05/17/16) and 2645 days since the last Lost Time Accident (01/05/11). On March 5th, ERCO's Environmental Manager, Paul Leyen, participated in the round-table meeting for the Burrard Inlet Water Quality group. Third party compliance testing of dryer dust scrubbers was completed, with all test parameters well within permit limits.

ERCO is participating in the North Shore Waterfront School Program again this year, with classroom visits in May and June to educate students on their industry.

c) Univar

Robin Lee reported that there have been 721 days since the last Safety reportable. She noted that the internal Univar EHS audit final report should be ready to be shared by the next CAP meeting.

There have been zero environmental reportables. Robin shared the final version of their E2 brochures with CAP members. She noted that visits were planned for May/June.

The site is operating with steady volumes, and there is more major maintenance planned for the summer. Robin is hoping to add some additional rail track, but still requires some internal and external approvals.

d) Terrapure Environmental

Steve Spence reported that Terrapure will have its semi-annual shutdown for six days during the first week of May. He mentioned that Dan Cantafio had left the plant and there was a temporary replacement.

He noted that the facility continues to operate injury free, with more than 5500 days since the last lost time injury.

He reminded CAP members that tests of Terrapure's emergency evacuation horn are conducted on the first Monday of every month at 10am. Terrapure does not have potential risks identified that would require a Shelter in Place.

On March 7th, an incident occurred where the roof top of a storage tank buckled inward. Investigation revealed that a blocked vent line created enough negative pressure to buckle the roof when a transfer out of the tank was conducted. Integrity testing recently conducted on the tank had indicated it was structurally sound. Terrapure engineers successfully pulled the roof top back into position in mid-March. Repairs to the blocked vent line were also made, and further plans to improve the facility's venting system were implemented.

Steve also noted that a BCUOMA/Environmental audit was scheduled for June.

5. Summary of Recently Submitted Development Applications

Karen informed CAP members about a preliminary development application received by the District for 2420-2468 Dollarton Highway. She noted that there is information about this on the DNV website under significant development applications being considered for Maplewood, and clarified that the development would take place over multiple years if approved by Council.

Development applications in the District of North Vancouver have a two-step process: a preliminary application and a detailed application. This proposal is in the preliminary application stage. The extension of Berkley Road from Mount Seymour Parkway to Dollarton Highway is included in this proposal. Karen will provide information to the CAP facilitator once the date for the Public Information Meeting has been set so that interested committee members may attend if they wish.

Karen clarified that the proposal will evolve based on feedback received as it goes through the official rezoning process. This preliminary application has been jointly made by the Tsleil-Waututh Nation and Darwin Properties.

6. CAP Wrap Up Update

The facilitator advised CAP members that the consensus from member emails was for the Wrap Up to be held at the Wild Bird Trust. The Wrap Up would include a tour and a brief presentation on Maplewood Flats Habitat and Cultural Use Management Plan and the Coast Salish Heritage Project.

7. Other Business

Cathy Campbell from Responsible Distribution Canada congratulated CAP members for being more active than other CAPs in the community. She informed members of the “You Be The Chemist” program, providing bilingual resources for teachers teaching Chemistry. This hands on curriculum has been designed to meet the needs of each province. The equipment can be shipped out to schools for a fee of around \$100. More information can be found at chemist.ca

8. Meeting Evaluation and Close

The meeting ended at 8:10pm.



Community Advisory Panel (CAP)

April 3, 2018 Briefing Notes

Responsible Care – Safety, Security, & Environmental:

- Safety: There have been no lost time Safety incidents since the last CAP meeting in Feb.
- Environmental: There have been no Environmental incidents since the last CAP meeting in Feb.
- Security: There have been no Security incidents since the last CAP meeting.
 - On March 3, Transport Canada visited the site to perform a Marine Security Audit. The Audit was a requirement due to the change in ownership from Canexus to Chemtrade. The audit was completed with no findings or action items.
- Transportation: There have been no Transportation incidents since the last CAP meeting.
- Responsible Care in our Community: On Friday February 23 we will again be hosting a tour for local teachers as part of a Professional Development day.

Plant Operations:

- The plant continues to operate steady with no operational issues.
 - Rail car supply from CN remains tight which is forcing the plant to operate at reduced production rates for now.
- Planning is well underway for our scheduled maintenance outage in April. The plant will be down from April 12 to ~ April 26 for routine inspections and repair work.



ERCO Worldwide Update

(since CAP meeting on February 22, 2018)

- **Operations**
 - Plant has continued to operate well, at capacity, since our last CAP meeting except for scheduled maintenance shutdown on Line 8 on March 14th for 16 hours to allow for maintenance and cell acidwash.
 - ERCO NV completed BC Hydro's Load Curtailment Program at end of February. Six curtailment events in the Dec 1 – Feb 28th period.
 - Final planning underway this week for site's 2-week plant shutdown, which begins on Monday April 9th to allow for new capital installations & scheduled maintenance. The two major items to occur during this shutdown are the replacement of an old cell line rectifier transformer (circa 1991) and Crystallizer internal vessel repairs. There are numerous other maintenance activities being scheduled, & the goal is to start up on morning of April 23rd.
- **Safety/Environmental**
 - ERCO employees and contractors continue to work safely. As of today, ERCO employees have worked 686 days since last Recordable safety incident (05/17/16) & 2645 days since last Lost Time Accident (01/05/11).
 - Paul Leyen, ERCO Environmental Manager participated in the round-table meeting for the Burrard Inlet Water Quality group on March 5th.
 - 3rd Party compliance testing of dryer dust scrubbers completed – all test parameters were well within permit limits.
- **Miscellaneous**
 - ERCO will again be participating in this year's North Shore Waterfront School Program. ERCO, like other companies, will be have industry classroom visits in May & June to educate students on our industry. The NSWIA (North Shore Waterfront Industrial Assoc.) will also sponsor 2 harbour cruises for the students in this period.

Tom Miller

April 03, 2018



Univar Canada update – April 2018

Safety

- 721 days since last reportable
 - Internal Univar EHS audit – review of overall site operating – will review next CAP meeting

Environmental

- Zero reportables
- E2 Plan communication
 - brochures complete and final copies shared with CAP.
 - Visits planned for May/June
 - Will provide brochure copies next CAP meeting

Terminal General

- Operating with steady volumes
- More major maintenance (tanks & inspections) planned for this summer

Cathy Campbell, President of Responsible Distribution Canada, attended the meeting and shared a little of what RD is doing across the country – especially with “You Be The Chemist”.

Current status

- Facility is currently operating at full capacity

Health, Safety and Environment

- Our facility continues to operate injury free, 5500+ days since our last lost time injury
- Reminder that Terrapure tests its emergency evacuation horn on the first Monday of each month at 10:00am
- Terrapure does not have any potential risks identified that would require a Shelter in Place emergency response
- Overfilled Railcar Incident:
 - February 8 received a railcar of used oil feedstock from a 3rd party contractor
 - When we attempted to off load the railcar, it was found to be over-filled, resulting in a spill of an estimated 50L of used oil
 - Railcar was on our 'spot 4' off-loading station where there is integrated spill containment. All used oil spilled was collected and pumped into our feed tank, no loss of product reported
 - Incident was investigated by the contractor. A recent conference call with the contractor revealed that the root causes were missed safety checks and incorrect outage assumptions. Corrective actions have been put in place since the incident to prevent future occurrences

Training and Audits

- Focus is on 100% core training compliance by the end of Q1
 - WHMIS – Workplace Hazardous Materials Information System
 - TDG – Transport of Dangerous Goods
 - Confined Space Awareness
 - H2S Alive
 - First Aid