

**Chemtrade Logistics-ERCO Worldwide-Univar Canada-Terrapure Environmental
North Shore Community Advisory Panel (CAP)
MEETING SUMMARY NOTES
Chemtrade Logistics, 100 Amherst Street, North Vancouver
5:30 pm Dinner/Meeting 6:00 pm to 8:00 pm
Thursday, October 11, 2018**

Attendance

Rob Schultz, Chemtrade Logistics
Steve Spence, Terrapure Environmental
Robin Lee, Univar
Tom Miller, ERCO Worldwide

Anastasia Ovodova , Port of Vancouver
John Miller, Lower Capilano Residents
Association
Karen Rendek, DNV
Tracey Godin, Miles Industries
Dave Mair, Resident
Val Hammerberg, Maplewood Area
Community Association (MACC)
Bruce Crowe, Inter River Community
Association

Regrets

Babs Perowne, NV Can
Cathy Brydon, Resident
Lisa Richardson, Resident
Alex McNeil, Blueridge Community
Association

1. Introductions

CAP members introduced themselves and welcomed guests attending CAP for the first time.

2. Feedback on CAP Wrap UP

CAP members who had attended the June Wrap Up at the Wild Bird Trust gave positive feedback on the opportunity to tour the facility.

Anastasia Ovodova from the Port of Vancouver offered for this year's Wrap Up to be held at the Port of Vancouver, where members could have the opportunity for boat tours as well a tour of the Port Emergency Response Centre.

3. Terms of Reference Review

The facilitator reviewed the CAP Terms of Reference with the group. Members indicated that there was nothing to add at this time.

4. Agenda Brainstorming for the Year

The facilitator presented the topics CAP members had shown interest in having on the agenda last year and members added new ideas.

Topics of interest were as follows:

1. Air quality – Metro Vancouver or the Port of Vancouver (interest in other Port projects)
2. Maplewood Flats Rehabilitation Project
3. Transport Canada, including the Trucking Association
4. Fisheries BC, including groups such as the Seymour Salmonoid Society
5. Seaspan – Shipyard development and barge safety
6. Communications student for community outreach insights

It was agreed to aim to cover the top three topics this CAP season.

Members opted for the opportunity for company tours again this year. A tour of ERCO Worldwide would be scheduled for February and Chemtrade Logistics in April 2019. The tours would take place before the CAP meeting so that interested members could join. Members were also invited to request company tours at other times if desired.

5. CAP Outreach

The CAP one pager has been finalized and will be distributed at relevant events with NSEM. Copies will also be available at NSEM's office.

As per the annual evaluation, the goal for CAP this year is to increase community awareness of CAP. To this end, an ad will be placed in the North Shore News before the November CAP meeting. CAP members were also encouraged to bring a friend over the course of the CAP season. The suggestion was made to invite new businesses in the area.

The Welcome Packages for new CAP members will be ready for the November meeting. These include the CAP one pager and a summary information sheet for each company. A location map will be added as well.

6. Reports from the Companies:

a) Chemtrade

Rob Schultz reported that Chemtrade has had one employee recordable injury since the last CAP meeting. An employee using a box cutter to cut strips of rubber cut two fingers when the box cutter slipped off the guard.

There have been two Environmental reportable incidents. The first was Hydrochloric acid vapor from a leak on a check valve on the Center acid plant surge tank pump. The vapors did not leave the plant site. The incident was reported as precautionary as it is not expected the volume exceeded the reportable quantity of 5L. All acid was inside containment and was processed internally. The second was a small volume of high pH water found outside of containment. The source was found to be from a gasket that had caustic residue on the valve that was washed into a trench by heavy rainfall and the trench pump failed. High pH liquid spilled outside of the trench to the ground.

There have been no Security or Transportation incidents since the last CAP meeting.

An internal ISO 19001:2015 review will be conducted during the week of October 9th and a Transport Canada audit in early November. October 8th marks Chemtrade's 61st anniversary in the community. As part of their commitment to Responsible Care in the community, Chemtrade participated as an observer in the Kinder Morgan ER exercise recently conducted in Burrard Inlet. Chemtrade is exploring the possibility of undertaking apprenticeships again.

b) ERCO Worldwide

Tom Miller reported that the plant ran well and near capacity for the summer period. There were scheduled shutdowns on Line 7 in July, and on Line 8 in June & August, for acidwashes and maintenance.

ERCO North Vancouver participated in BC Hydro's Freshet rate program (May 1 to July 31), where a portion of the plant power is purchased at market rate. This power is normally at lower rates due to spring run-off. However, due to high power consumption in California due to high ambient temperatures, market power costs for the majority of July were extremely high. As a result, load on the plant was curtailed during this period.

ERCO employees have now worked 2.4 years since the last Recordable safety incident (05/17/16). On July 10th, a third party Q2 outfall to Burrard Inlet analysis was sent to BC MOE as per PE-395 requirements, and all results were within permit limits. ERCO also received results from third party compliance testing of L7, L8 and EVS scrubbers on July 19-20th, and all results were well within permit limits.

During July and August, activities for the Ground Water Protection Plan were conducted, including cleaning and inspection of all outside containment sumps and performance of leak tests. All sumps passed the leak tests.

ERCO's *Shelter-in-place working group* have reviewed the site's emergency procedures related to the site emergency horn with a goal of reducing the impact to neighbours. This horn is only utilized to warn employees/visitors of a site requirement to shelter-in-place. Recommendations are to reduce the volume of the horn, limit horn duration to 5 minutes, and to contact the Fire Department & NSEM if the community could be affected.

In September, site insurers performed a two-day audit of the facility and management practice, making a few minor recommendations. In October, ERCO Worldwide will commence collective bargaining with its union workforce as the present 6-year agreement expires at the end of November.

c) Univar

Robin Lee reported that there have been 912 days since the last Safety reportable. She noted that the internal Univar EHS review results included improving areas for housekeeping, signage (especially on piping), storage labeling of drums/buckets and which areas are for what products; updating Industrial Hygiene respiratory practices; and increasing auditing of loading/unloading checklists.

A Transportation of Dangerous Goods reportable occurred when a caustic truck began loading with the bottom internal valve open. As a result, approximately 50L left the primary containment of the truck and approximately 25L ran off the loading scale. All product was contained within the site, either draining into the containment sump or through the use of absorbant pads/socks to manage outside containment. Both the truck driver and the NVDC operator did not follow procedure to check the valves and test the valve before starting the product transfer. Each assumed the other had done this, and as it was a busy day with trucks, the operator did not want to delay loading. When the incident occurred, the operators responded well based on their training. A root investigation was held and both individuals were disciplined. The incident was communicated across the site and to truck dispatches as a learning incident, and will be highlighted in safety meetings and future training sessions. The frequency of operations audits by supervision will also be increased.

A safety incident occurred when an operator and maintenance worker got cuts on their hands despite gloves being worn. One incident was caused by a sharp edge on a railcar, which was addressed. The other was catching an unexpected edge during railcar repair work while trying to ensure the repair surface was smooth. There were also incidents of a contractor slip/trip, and caustic exposure due to a valve failure during inspection.

In terms of maintenance, the tank work is mainly complete with no safety reportables to date. The tank inspection work is complete, also with no safety reportables. Engineering is being conducted to add an additional rail track to manage repairs and the changing rail service. The Fire Department will visit the site to review access and fitting compatibility with foam carts. There will also be training for some new longshore operators in the coming months.

d) Terrapure Environmental

Steve Spence reported that Terrapure's semi-annual shutdown is planned for November 5-15.

He noted that the facility continues to operate injury free, with more than 5700 days since the last lost time injury.

He reminded CAP members that tests of Terrapure's emergency evacuation horn are now conducted on the first Wednesday of every month at 10am. Terrapure conducted a review of the mock evacuation event held on September 7th. The event was an un-announced general site evacuation. Immediate neighbours were advised in advance. Steve thanked CAP member, Val Hammerberg, for adding suggested contacts and offered to add any interested CAP members to the list. The evacuation horn sounded for 4.5 minutes while all staff and contractors evacuated to the main muster station. It was noted that the evacuation horn was stopped before the all-clear was given by the emergency response team. The ERP was reviewed with operations. Future Mock events will include a 'shelter-in-place' emergency.

Steve noted that refinery fire-fighting training is scheduled for November.

7. Summary of Recently Submitted Development Applications

2049 Heritage Park Lane

Anthem Maplewoods West Developments has applied to redevelop this property. The application as submitted proposes:

- 39 townhomes in two four-storey buildings
- 70 parking spaces in a one-level underground parkade

- **September 24, 2018 — Development permit issued**
- This application was presented to Council, who voted to adopt the rezoning and issue the development permit.

- July 23, 2018 — Second and third reading

- This application was presented at Council, where it received second and third reading. Review the staff report with recommendation in the 'Related documents and web content' tab.
- July 3, 2018 — Public hearing
- This application was presented at a public hearing. A public hearing is your chance to speak to Council if you feel your interest in property will be affected by this application.
- June 18, 2018 — First reading
- This application was presented to Council, where it received first reading and was referred to a public hearing, to be held at a future date. Review the staff report with recommendation in the 'Related documents and web content' tab.

229 Seymour River Place (Maplewood Plaza)

September 24, 2018 — Development permit issued

This application was presented to Council, who voted to adopt the rezoning and issue the development permit.

July 16, 2018 — Third reading

This application was presented to Council, where it received third reading. Read the staff report with recommendation in the 'Documents and related web content' tab.

June 19, 2018 — Public hearing

This application was presented at a public hearing. A public hearing is your opportunity to speak to Council if you feel your interest in property will be affected by a proposed bylaw.

May 28, 2018 — Second reading

This application was presented to Council, where it received second reading. Read the staff report with recommendation in the 'Documents and related web content' tab.

April 10, 2017 — First reading

This application was presented to Council, where it received first reading and was referred to a public hearing. Read the staff report with recommendation in the 'Documents and related web content' tab.

2420-2468 Dollarton Highway

The Tsleil-Waututh Nation and Darwin Properties has applied to redevelop this property.

The application as submitted proposes:

- a range of light industrial, commercial, and residential uses
- institutional school uses
- childcare facilities
- a range of supportive uses

July 9 to September 15, 2018 — Information open houses

The developer has committed to provide ongoing public engagement throughout the summer and fall, and will be hosting nine additional open house events.

July 16, 2018 — First reading (rescheduled from June 25, 2018)

This application was returned to Council for first reading. Council voted to postpone first reading until after the 2018 general election, which is scheduled for October 20, 2018. Read the staff report with recommendation in the 'Documents and related web content' tab.

June 25, 2018 — First reading

This application was presented to Council for first reading. No motion was passed at the meeting. The application will be returned to Council for first reading on July 16, 2018. Read the staff report with recommendation in the 'Documents and related web content' tab.

June 20, 2018 — Public information meeting

The developer held a public information meeting, which we require as part of the application process. The public information meeting is an opportunity for you to learn more about the development, talk to the developer and DNV planning staff, and share your views.

8. Meeting Evaluation and Close

The meeting ended at 8:10pm.



Community Advisory Panel (CAP)

October 11, 2018 Briefing Notes

Responsible Care – Safety, Security, & Environmental:

- Safety:
 - Since the last CAP meeting in June we had one employee recordable injury.
 - An employee using a box cutter to cut strips of rubber cut two fingers when the box cutter slipped off of the guard.

- Environmental:
 - Since the last CAP meeting we have had two Environmental reportable incidents.
 - Hydrochloric acid vapor from a leak on a check valve on the Center acid plant surge tank pump. The vapors did not leave the plant site. Reported as precautionary as it is not expected the volume exceeded the reportable quantity of 5L. All acid was inside containment and was processed internally.

 - Small volume of high pH water found outside of containment. Source found to be from a gasket that had caustic residue on the valve that was washed into a trench by heavy rainfall and the trench pump failed. High pH liquid spilled outside of the trench to the ground.

- Security: There have been no Security incidents since the last CAP meeting.

- Transportation: There have been no Transportation incidents since the last CAP meeting.

- The week of October 9 we are conducting an internal ISO 19001:2015 review.

- Responsible Care in our Community:

- Participated as an observer in the Kinder Morgan ER exercise recently conducted in Burrard Inlet.

Plant Operations:

- The plant is running at capacity currently.

ERCO Worldwide Update

(since CAP meeting on June 19, 2018)

Operations

- Plant ran well and near capacity for the summer period. There were scheduled shutdowns on Line 7 in July, and on Line 8 in June & August, for acidwashes and maintenance.
- ERCO NV participated in BC Hydro's Freshet rate program (May 1 to July 31), where a portion of the plant power is purchased at market rate. This power is normally at lower rates due to spring run-off. However, due to high power consumption in California due to high ambient temperatures, market power costs for majority of July were extremely high. As a result, we curtailed load on our plant during this period.

Safety/Environmental

- ERCO employees and contractors continue to work safely. As of today, ERCO employees had worked 2.4 years (877 days) since last Recordable safety incident (05/17/16). The last Lost Time Accident was 2836 days ago (01/05/11).
- July 10: 3rd party Q2 outfall to Burrard Inlet analysis sent to BC MOE as per PE-395 requirements – all results were within permit limits.
- Received results from 3rd party compliance testing of L7, L8 & EVS scrubbers on July 19-20th – all results were well within permit limits.
- Ground Water Protection Plan activities (exterior) occurred during July & August – all outside containment sumps were cleaned, inspected, minor repairs made to one, and leak tests performed. All sumps passed the leak tests.
- *ERCO's Shelter-in-place working group* have reviewed our site's emergency procedures related to our site emergency horn – with a goal of reducing the impact to our neighbours. This horn is only utilized to warn employees/visitors of a site requirement to shelter-in-place. Recommendations are to reduce the volume of the horns, limit horn duration to 5 minutes, and to contact the Fire Department & NSEM if the community could be affected.

Miscellaneous

- In September, our site insurers performed a 2-day audit of our facility and management practices – only a few minor recommendations were made.
- In October, ERCO Worldwide will commence collective bargaining with its union workforce (PPWC Local 5). Our present 6-year agreement expires on November 30th. We anticipate 3-4 weeks of negotiations.

Tom Miller
October 10, 2018



Univar Canada update – October 2018

EHS

- 912 days since last safety recordable
- Internal EHS Review results
 - Improve areas for housekeeping
 - Update Industrial Hygiene respiratory policies
 - Improve sign signage (especially on piping)
 - Improve storage labeling of drums/buckets and which areas are for what products
 - Increase auditing of loading/unloading checklists
- TDG reportable
 - Caustic truck began loading with bottom internal valve open
 - Approximately 50L left the primary containment of the truck and approximately half (25L) ran off the loading scale
 - All product contained within site with it draining into the containment sump or by using absorbant pads/socks to manage outside containment
 - Both truck driver and NVDC operator did not follow procedure to check the valves, and test the valve prior to starting the product transfer
 - Each assumed the other had completed (complacency)
 - Busy day with trucks, and operator did not want to delay loading
 - Once incident occurred, site operators did respond very well (i.e. they performed well based on their training)
 - Root cause investigation held, and both individuals were disciplined

- Incident communicated across the site, and to truck dispatches as a learning incident
- Incident will be highlighted in safety meetings, and future training sessions
- Audit frequency of operations by supervision will increase
- Other Incidents
 - Operator & Maintenance - first aid cuts to hands despite gloves being worn
 - One instance was from sharp edge on railcar which was addressed
 - Another from railcar repair work and catching an unexpected edge while ensure repair surface smooth
 - Contractor slip/trip
 - Caustic exposure due to valve failure during tank inspection

Maintenance & Operations

- Tank work mainly complete
 - Large job with no safety reportables to date
- Tank inspection work complete
 - Major maintenance job with no safety reportables
- Conducting engineering to add additional rail track to manage repairs and changing rail service
- Fire Department visit to review site access and fitting compatibility with foam carts
- Will be training some new longshore operators in coming months

Current status

- Facility is currently operating at full capacity
- Semi-annual shutdown planned for Nov 5-15

Health, Safety and Environment

- Our facility continues to operate injury free, 5700+ days since our last lost time injury
- Reminder that Terrapure now tests its emergency evacuation horn on the first Wednesday of each month at 10:00am
- Reviewed Mock Evacuation event on September 7.
 - Neighbours advised in advance of the event
 - Event was an un-announced general site evacuation
 - Evacuation horn sounded for 4.5 minutes while all staff and contractors evacuated to the main muster station
 - Follow-up items noted: evacuation horn was stopped before all-clear given by the emergency response team. ERP reviewed with operations
 - Contact list of immediate neighbours brought to the CAP meeting where I requested any additions or suggestions be made. Thanks to Val for adding a list of suggested contacts
- Future Mock events to include a 'shelter-in-place' emergency

Training and Audits

- No Audit activity over the summer period
- Refinery fire-fighting training scheduled for November