

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

**Meeting 6:00 pm to 8:00 pm  
Wednesday, September 29, 2021**

**Attendance**

Rob Schultz, Chemtrade Logistics  
Owen Horn, Chemtrade Logistics  
Brian Scott, ERCO Worldwide  
Joaquin Verdugo, ERCO Worldwide  
Mark Maharaj, ERCO Worldwide  
Robin Lee, Univar Solutions  
Steve Spence, Terrapure  
Environmental  
Emily Dicken, NSEM  
Arielle Dalley, DNV  
Carleen Thomas, Tsleil-Waututh Nation  
John Miller, Lower Capilano Residents  
Association  
Babs Perowne, NV Can  
Stuart Meyer, Miles Industries  
Dave Mair, Resident

**Regrets**

Anastasia Ovodova, Port of Vancouver  
Tessa Battimelli, Port of Vancouver  
Lisa Richardson, Resident  
Cathy Brydon, Resident

**1. Welcome and Introductions**

Members introduced themselves and welcomed new members.

Members confirmed that Zoom is working as the virtual platform for meetings until such time as we can move back to in person meetings.

**2. CAP Terms of Reference and Guiding Principles**

Members reviewed the CAP Terms of Reference and Guiding Principles. No changes were suggested. Terrapure's upcoming name change would need to be reflected on these documents from January 1, 2022.

### **3. Review of June CAP meeting minutes**

Members reviewed the June CAP meeting minutes. No additions to the original draft sent out to members after the meeting were noted except for a typo that the facilitator had already corrected. Members were asked for further additions. No further additions were requested. The facilitator will finalize the June meeting minutes and send to DNV to post on their CAP information webpage.

### **4. CAP Evaluation Review**

12 responses were provided at the June 2021 meeting.

#### **Overall member comments:**

-Zoom meetings worked well but miss the various plant tours and in person social component. I like the idea of a hybrid model (to overcome travel considerations for speakers and for bad weather).

-Despite not meeting in person, I think everything went well and we managed to keep everyone engaged. This format may be better suited for future speakers rather than having them attend meetings if they have scheduling conflicts.

-Thanks for keeping these meetings happening effectively.

-Useful information and understanding of the issues the various companies face.

#### **A) Feedback on presentations given:**

-NSEM on Public Alerting

-Burrard Inlet Working Group Presentation:

-CN on Rail Safety

-Metro Vancouver on Cleveland Dam Safety Enhancements

The majority found all of the ones they attended useful.

Some comments:

-All were good presentations and provided new/additional information as well as detailed answers to questions asked.

-The presentations are a great way to enhance the CAP and engage with other community groups.

## **B) On conversation with the companies and CAP meeting culture**

100% of members are “absolutely satisfied”.

## **5. NSEM Update**

Emily Dicken from NSEM reported that it was an active summer at NSEM. Although there was minimal wildfire activity in the Lower Mainland, NSEM supported the Lytton community through the deployment of their Planner, John Hawkes. Mike Andrews also supported communities in North Prince George and Surrey. It was a chance for NSEM to flex response muscles, which doesn't happen regularly.

NSEM became a host community for Canim Lake First Nations evacuees for 3 weeks, which provided an opportunity to operationalize their Emergency Services program. The experience highlighted that the accommodation service providers are not in walking distance and they need to be mindful of this in their planning.

NSEM produced the North Shore Evacuation Guide 1.0 in order to increase the community state of readiness and inform the public how they can partner with them and ready themselves. Next season, they will produce the 2.0 guide and address the gaps with seniors, people with mobility challenges and those living in isolated situations.

Shakeout is coming up on October 21<sup>st</sup> to prepare for a seismic event. There are educational resources on the [Shakeout BC website](#).

Emily noted that emergency preparedness is a long journey and there is a long way to go. The Alertable app is the key to evacuation. The community is working hard to support the promotion of the app. There is a space of readiness and collaboration at the organizational level. It will take preparation at the household level.

NSEM responded to 3 incidents in the extreme heat event. It was the first and an eye opener that we need to be more prepared. The extreme heat had a disproportionate impact on vulnerable members of the community, and they need more consideration going forward. We need ways to improve municipal infrastructure and support seniors.

A CAP member asked if Metro Vancouver would change the species of trees they plant because of climate change. Emily responded that this falls under Forest Health and the Fire Department is working hard on this issue.

## 6. Brainstorm on Presentation Topics for the Upcoming Year

The facilitator shared suggestions of presentation topics for the upcoming year that had been given in the CAP evaluation in June.

Members ranked the suggestions according to interest and priority, listed below:

1. Shelter in place procedures for neighboring businesses (this would be through NSEM) (All interested)

It was suggested to invite local businesses to CAP for this one evening, as well as to summarize the presentation and websites etc. and produce a handout to give to businesses. ERCO mentioned they had given out information to the surrounding area and a good amount of people didn't know they were so close by.

There was discussion on whether to make this an annual agenda item. Because of turnover of CAP members, the thought was that it would be good to go over it on a regular basis, perhaps every 3 years, but to keep the information in the minutes every year.

2. Description of community emergency plan and the plants' potential responses Plans for specific emergencies (natural disasters and impact on communities) - NSEM's plan and each plant's ERP plan. The idea would be to look at how NSEM sees how the plants fit in here and how they would communicate with NSEM/the public. It was noted that the emergency plan would look different for each plant.

3. Update on Port Authority plans/activities affecting North Shore.

- Enhancing Cetacean Habitat and Observation (ECHO) program Burrard Inlet initiatives (9 interested)
- Port of Vancouver and national corridor air quality emissions
- Canada Place and our Cruise Operations
- Maplewood Flats Restoration Program

4. Long term planning for the chemical plant areas by Port of Vancouver (6 interested)

This would focus on long-term vision in terms of sustainability, renewable energy, omissions, development.

5. Seaspan on their initiatives (3 interested)
6. Options for effective Traffic management on Main St & Dollarton hwy. it gets very busy.

Focus on the expansion with the Transmountain pipeline and consequent marine traffic?

7. Metro Vancouver could provide an explanation of their 2020-2021 clean air plan.
8. DNV could provide an update on the plans for community development in the area and impact on density, ie. OCP.

The companies and NSEM will meet to discuss the first two potential topics and whether it is feasible to plan to do a presentation on this in the next CAP meeting in November.

## **7. Reports from the Companies**

### **a) Chemtrade Logistics**

Rob Schultz reported that there have been no Safety, Security or Transportation incidents since the last CAP meeting. An internal Process Safety Audit was completed in August. No major findings were identified. Chemtrade is awaiting the final report to be issued with the findings.

One new Environmental incident occurred in early July with a tube failure in one of the Chlorine Liquefier Freon condenser tubes. The machine was immediately shut down and all the Freon was removed to facilitate the repair. The other tube was inspected as a precaution, but no issues were found.

Chemtrade is preparing for RC 14001 certification (Environmental Management) in December and will be conducting an internal audit in October in preparation for the external certification audit.

The plant is continuing to follow the COVID-19 provincial health guidelines. There have been two positive COVID cases this year, with both employees concerned on vacation at the time, so this did not impact plant operation. Both were mild cases and once recovered, returned to work with no issues.

Chemtrade's operating plan has increased from approximately 75% to 90% of capacity for the 2021 year now as a result of increased demand.

The plant is well into preparations for the 2022 April plant Turnaround. The shut down is planned to start around April 21 and the hope is to complete this by around May 6. The startup date at this point is tentative pending final planning so the actual mechanical completion date may move. This is a significant undertaking and will be the main focus for the plant over the next 6 months.

A CAP member asked if the tube rupture above was caught by the system or seen by staff at Chemtrade? Rob responded that it was caught by Freon detectors which pick up PPM levels. They are using a specific Freon that doesn't have as much impact as it is a non-ozone-depleting substance.

Another CAP members asked if the shutdown was a major capital project. Rob responded that the plant is replacing the brine dechlorinator and they will be doing cell house piping work.

## **b) ERCO Worldwide**

Brian Scott reported that although the ERCO Worldwide North Vancouver plant has run well since the last CAP meeting, high BC Hydro power rates forced the plant to trim plant load during the summer and this continues into the fall.

In July, worldwide logistics backlog impacted their offshore container shipping negatively.

The site took 1-day shutdowns for cell L-8 acid washes and maintenance on July 21, Sept 8. L-7 Jun 16, and Aug 11. Repairs to the Environmental Vent Scrubber (EVS) on L-7 has improved the efficiency of the scrubber. ERCO is currently planning a 5-day plant outage in April 2022 to perform large scale maintenance activities.

On Sept 29<sup>th</sup>, NV employees have worked 446 days since last Recordable safety incident (July 7/20) & 3917 days since their last Lost Time Accident (Jan. 05/11).

ERCO NV continues to ensure COVID safeguards are being followed by all employees, contractors, and visitors. ERCO has not had a COVID case with an employee since the single Maintenance employee case reported in December 2020.

On September 27<sup>th</sup>, an agenda exchange was completed between the two groups ahead of the PPWC Local 5 Union collective agreement bargaining to start in October, as the current contract ends November 30, 2021.

### c) Univar Solutions

Robin Lee reported that there have been 143 days since the last personal safety recordable and 3929 days since the last DAWC (as of end of day September 27).

The following incidents have occurred since June 14<sup>th</sup>.

- A fishing vessel hit Univar's barge dolphin area and some minor railing damage was sustained. The site plans to follow up if possible with the company to better understand the root cause, although the railing will be replaced anyway as part of the dock dolphin upgrade. The vessel did proactively inform Port of Vancouver.
- The extremely high summer temperatures may have been the root cause of some weeping from the site's glycol pump (within containment). Future preventative maintenance will have to consider the need for extra checks during excessive periods of heat.
- A caustic tank truck arrived pressurized, and some higher pressure mist resulted when caps were opened for inspection. The driver and trucking company were again reminded of the need to ensure the truck is fully depressured on arrival to the site.
- An equipment malfunction resulted in a mist of hydraulic oil spraying at the barge dock. The mist was immediately noticed, and the loading shut down. No oil entered the water. It was cleaned, repaired, and loading continued. The root cause may have been some damage (not immediately noticeable) from the impact by the fishing vessel.
- A contractor suffered a minor cut to their arm while handling a shrink wrap bundle. Ultimately there was no root cause found, but if the contractor had an open blade knife (not allowed) in his pocket – it may have explained the cut. Incident investigation was held with the contractor management, and the rules were again reviewed. The job had a matter of hours left to complete, so it was thought best to have the contractor finish. The site will consider whether to allow the same contractor back on site in future.

Site is running at below typical volumes since clients are having some larger maintenance turnarounds in Alberta.

Major projects at site include the following:

- Track work completed
- Internal tank inspection and external coating upgrade on the ethanol tank

*Meeting Summary Notes – September 29, 2021*

7

*North Shore Community Advisory Panel (CAP)*

- Dock Dolphin upgrades beginning and expected to last 4 months
  - Improvements will result in better structural and seismic integrity
  - As part of this project, there will be considerable environmental monitoring, especially for underwater noise during pile driving activities
  - The local community within 400m of the activities will be notified
  - The site will be reaching out to the local marina since for a small period of time for a small number of hours per day, some boats will be impacted on how they access their slips

COVID 19 challenges continue with safety indoctrinations, meetings, and tool box talks being held outside and/or via computer. Visitors to the site continue to be extremely limited.

A CAP member asked what type of pile driving would be used in the Dock Dolphin upgrades. Robin responded that steel and wood would be used, as additional piles would be added to the north of the barge dolphin to bolster structural integrity.

Another CAP member asked what degree of temperature would have to be considered for “excessive heat” warranting future preventative maintenance. Robin responded that the pump itself with the glycol leak was closed in, so the incident was a combination of excessive heat and gasket failure. The excessive heat was a contributing factor. The focus of a preventative maintenance program is on how do we need to take a different perspective to prepare for more extreme events? We probably need to think of this as a temperature over 32 degrees Celsius. Maybe they will do extra checks in the summer months.

#### **d) Terrapure Environmental**

Steve Spence reported that the facility has continued to operate lost time injury free since the last CAP report and has no positive cases of COVID-19 to report for staff, visitors or contractors. Terrapure continues to follow all Provincial and Federal COVID-19 guidelines on worker and public safety.

On August 17, GFL Environmental officially purchased Terrapure, and they are currently operating as “Terrapure – a GFL Company”. After January 1, 2022, the name will change to GFL Environmental. The North Vancouver refinery will not see any physical change other than a new owner, new signage and a new coat of green paint on their trucks. One advantage is that GFL brings feedstock certainty for the refinery, ensuring constant operations going forward.



The refinery is currently running at 100% capacity with a semi-annual shutdown scheduled for October 24-30.

The facility has operated lost time injury free since the last CAP report and continues to operate within permitted approvals. There are no positive cases of COVID-19 to report for facility staff, visitors or contractors. Terrapure continues to operate following all Provincial and Federal COVID-19 guidelines regarding worker and public safety.

On August 26, there was an incident with tank overflow in containment:

At 6:30am, a transport operator started off-loading his used oil truck into a day-tank at the facility. Shortly thereafter, one of the other transport operators noticed that the receiving tank was overflowing, he hopped out of his cab, alerted the driver and they both shut down the transfer. They then proceeded to pump the used oil overflow from the compound into another used oil truck. An estimated 1,600L of used oil was pumped out of the compound sump. There was no loss of product or environmental contamination due to the day-tank being located inside a concrete bunker. Subsequent investigation revealed the driver failed to confirm there was enough room in the receiving tank for the off-load. The driver has been re-trained in off-load procedures.

The facility's training has been focused on WHMIS, TDG (transport of dangerous goods), First Aid, Confined Space Awareness and H2S Alive courses.

## **8. Update on Recently Submitted Development Applications**

Arielle Dalley from DNV reported the following recently submitted development applications.

- A recent preliminary application for 165 Riverside Drive to redevelop the existing Blueridge-Cove Animal Hospital. It proposes the addition of a new, single-storey building and 20 parking stalls for staff and visitors.
- The District received direction to initiate a District-led rezoning for four lots off Riverside Drive between Windridge Drive and Old Dollarton Road and submit an expression of interest to Metro Vancouver by December 31<sup>st</sup> to partner on delivering affordable housing on this site. It is a competitive process, so even if the site is rezoned and submitted, it is not guaranteed the submission will be successful. We will know in early 2022 if it is selected to proceed. If selected, Metro Vancouver will undertake additional studies to confirm feasibility and then begin concept planning to align with funding calls (such as those through BC Housing or CMHC). More information can be found in the September 27<sup>th</sup> Council Agenda package.

In response to a CAP member’s question, Arielle clarified that this would be on the east side of Riverside Drive in what is currently a forested area.

**9. Meeting Close**

The meeting ended at 8:20pm.

The next meeting will be held on Tuesday, November 16, 2021, at 6pm on Zoom.

**CAP Action Items**

<b>Action</b>	<b>Responsibility</b>	<b>Timeline</b>	<b>Status</b>
1. Set up meeting with the companies and NSEM to discuss the first two presentation topics of interest for CAP members and confirm whether this can be addressed at the next CAP meeting	CAP facilitator	By the third week of October 2021	In process
2. Clarify what the Port’s suggestion of Maplewood Flats Restoration Program on the list of topics they can present on is referring to.	CAP facilitator	Before the next CAP meeting on November 16th.	In process



## Community Advisory Panel (CAP) Sept 29, 2021 Briefing Notes

### Responsible Care – Safety, Security, & Environmental:

- **Safety:**
  - There has been no new Recordable Injuries since the last CAP meeting.
- **Process Safety**
  - We had an internal Process Safety Audit completed in August. We are awaiting the final report to be issued with the findings but there were no major finding identified during the audit.
- **Environmental:**
  - There has been one new environmental incident since the last CAP meeting.
    - In early July we experienced a tube failure in one of our Chlorine Liquefier Freon condenser tubes. The machine was immediately shut down and all the Freon was removed to facilitate the repair.
  - We are preparing for RC 14001 certification (Environmental Management) in December. We will be conducting an internal audit in October in preparation for the external certification audit.
- **Covid-19**
  - We are continuing to follow all provincial health guidelines.
  - We have had two positive cases this year. Both employees had been on vacation at the time and did not impact plant operation.
  - We are no longer working from home with all staff now returned to the office.
- **Security:**
  - There have been no Security incidents since the last CAP meeting.
- **Transportation:**
  - There have been no Transportation incidents since the last CAP meeting.
- **Plant Operations:**
  - The demand for Chlor Alkali products remained high over the summer.
    - There are a number of reasons for this increase in demand so quickly.

- Oil and Gas activity is increasing.
- The hurricane that hit Louisiana resulted in a number of Chlor Alkali producers shutting down or significantly curtailing production rates that continue to impact demand now.
- Still some lingering issues due to the winter storm in Texas.
  - Our operating plan has increased from ~75% to ~90% of capacity for the 2021 year now as a result of this increased demand. We continue to see strong demand for our products and may still see operating rates be pushed higher for the year.
- We are well into preparations for the 2022 April plant Turnaround now. We plan to start shutting down ~April 21 and hope to be mechanically complete by ~May 6. The startup date at this point is tentative pending final planning so the actual mechanical completion date may move. This is a significant undertaking and will be the main focus for the plant over the next 6 months.
- The plant is currently operating at full capacity and we anticipate to be at full production rates into the fall this year as we work at building up inventory levels in preparation for the 2022 Maintenance Turnaround.

# ERCO Worldwide

**ERCO Worldwide Update** - (since last CAP meeting on June 15, 2021)

## Operations

- ERCO NV plant has run well since we met in June - however high BC Hydro high power rates have forced the plant to trim plant load during the summer and this continues into the fall.
- Worldwide logistics backlog impacted our offshore container shipping negatively in July.
- The site has taken 1-day shutdowns for cell L-8 acid washes and maintenance July 21, Sept 8. L-7 Jun 16, Aug 11.
- Repairs to the Environmental Vent Scrubber (EVS) on L-7 has improved the efficiency of the scrubber.
- Currently planning a multi-day plant outage April 2022, to perform large scale maintenance activities.

## Safety

- ERCO employees and contractors continue to work safely. On Sept 29<sup>th</sup>, NV employees have worked 446 days since last Recordable safety incident (July 7/20) & 3917 days since our last Lost Time Accident (Jan. 05/11).
- ERCO NV continues to ensure COVID safeguards are being followed by all employees, contractors, and visitors. ERCO has not had a COVID case with an employee since the single Maintenance employee case reported in December 2020.

## Environmental

- It has been 130 days since last Reportable Environmental incident (May 21/21). The Environmental incident was a freon release of 14 kg from AC/Heat Unit on top of the Line 8 Control Room. BC MOE reportable limit for Freon R-22 is 10 kg. A leaking gasket is suspected to be the root cause.

## Miscellaneous

- PPWC Local 5 Union collective agreement bargaining to start in October as the current contract ends November 30, 2021. Agenda exchange completed between the two groups Sept 27<sup>th</sup>.

Name: Brian Scott, P.Eng.  
Title: Plant Manager, North Vancouver

## **Univar Solutions report – September 27, 2021**

Robin Lee reported that there have been 143 days since the last personal safety recordable, and 3929 days since the last DAWC (as of end of day Sept 27<sup>th</sup>).

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- A fishing vessel hit Univar's barge dolphin area and some minor railing damage was sustained. Site plans to follow up if possible with the company to better understand root cause. Vessel did proactively inform Port of Vancouver.
- The extremely high summer temperatures may have been the root cause of some weeping from our glycol pump (within containment). Future preventative maintenance will have to consider need for extra checks during excessive periods of heat.
- A caustic tank truck arrived pressurized, and some higher pressure mist resulted when caps were opened for inspection. Driver and trucking company again reminded of the need to ensure truck is fully depressured on arrival to site.
- An equipment malfunction resulted in a mist of hydraulic oil spraying at our barge dock. The mist was immediately noticed and the loading shut down. No oil entered the water. It was cleaned, repaired, and loading continued. Root cause may have been some damage (not immediately noticeable) from the impact by the fishing vessel.
- A contractor suffered a minor cut to their arm while handling a shrink wrap bundle. Ultimately there was no root cause found, but if the contractor had an open blade knife (not allowed) in his pocket – it may have explained the cut. Incident investigation was held with the contractor management, and the rules were again reviewed. The job had a matter of hours left to complete, so thought best to have the contractor finish. Site will consider whether to allow same contractor back on site in future.

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Major projects at site include the following:

*Meeting Summary Notes – September 29, 2021*

14

*North Shore Community Advisory Panel (CAP)*

- Track work completed
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- Dock Dolphin upgrades beginning and expected to last 4 months
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  - As part of this project there will be considerable environmental monitoring, especially for underwater noise during pile driving activities
  - The local community within 400m of the activities will be notified
  - Site will be reaching out to the local marina since for a small period of time for a small number of hours per day, some boats will be impacted on how they access their slips

COVID 19 challenges continue with safety indoctrinations, meetings, and tool box talks being held outside and/or via computer. Visitors to the site continue to be extremely limited.

Thanks & Regards,

**Robin Lee** (she/her/hers)

**Terminal Manager**

Univar Solutions

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**F:** 604-688-2679

## Current status / Schedule

- Name changes!
  - GFL Environmental officially purchased Terrapure on August 17
  - Currently operating as “Terrapure – a GFL Company”
  - After January 1, 2022, we will be GFL Environmental;



- Transition update – unfortunately, there isn't much to share as the North Vancouver refinery will not see any physical change other than a new owner, new signage and a new coat of green paint on our trucks. On the plus side, GFL brings feedstock certainty for the refinery ensuring constant operations going forward.
- Refinery running at 100% capacity
- Semi-annual shutdown scheduled for October 24-30

## Health, Safety and Environment

- Facility continues to operate within permitted approvals
- Facility has operated lost time injury free since the last CAP report
- No positive cases of COVID-19 to report for facility staff, visitors or contractors. Terrapure continues to operate following all Provincial and Federal COVID-19 guidelines regarding worker and public safety.
- 1 incident to report: August 26, tank overflow in containment:
  - At 6:30am, a transport operator started off-loading his used oil truck into a day-tank at the facility. Shortly thereafter, one of the other transport operators noticed that the



receiving tank was overflowing, he hopped out of his cab, alerted the driver and they both shut down the transfer. They then proceeded to pump the used oil overflow from the compound into another used oil truck. An estimated 1,600L of used oil was pumped out of the compound sump. There was no loss of product or environmental contamination due to the day-tank being located inside a concrete bunker. Subsequent investigation revealed the driver failed to confirm there was enough room in the receiving tank for the off-load. The driver has been re-trained in off-load procedures.

## Training and Audits

- No Audit activity for this period
- Training focused on courses, WHMIS, TDG (transport of dangerous goods), First Aid, Confined Space Awareness and H2S Alive